



# Seeds for the Farm.

Seed Corn  
Seed Grain  
Clovers  
Timothy  
Pasture Grasses  
Forage Plants  
Mangels  
Turnips  
Vegetable Seeds

1921

## KEITHS SEEDS

Satisfactory Since 1866

# 1866 - 1921

OUR business has grown steadily and consistently since the day it was started in 1866, and "Keith's Seeds" have made more friends each year. This has not come by chance. These people realize that our seeds are *Reliable*, our methods *Satisfactory*, and our *Prices Right*. If you are among those who have tried us, you know this statement to be correct. If you have not tried us, we very much wish you would, if only for once, that we may have the opportunity of convincing you also.

GEO. KEITH & SONS

## NOTE !

We do a strictly Cash business.  
We Sell Direct to You—No Agents.

## THEREFORE—

We *can* and *do* sell on a close margin.  
We *can* and *do* buy for your trade the best that the World offers.

## THE HAND POINTER

Throughout the catalogue points to varieties and strains that we specially recommend—this means *Extra Quality* with the *Price Right*.

We can only afford to send out to you seeds that to the best of our knowledge, and experience, will grow well, will produce plants true to type, and that the strains we select are the most suitable for our climate, our conditions, your wants and your trade.

## We Guarantee Safe Arrival of Our Goods

In doing this we ask you:

- 1st. To allow sufficient time for shipment to arrive.
- 2nd. To enquire at Express, Freight or Post Office.
- 3rd. To make sure of any damage or shortage, and note such plainly on the Railway receipt before you sign. If we are to obtain redress from the Railway, in case of shortage, it is absolutely necessary for us that you do not sign for full delivery. Mark on your Advice or Receipt "Bag torn"—" lbs. short" and send the Advice or Receipt signed by the agent to us. Write us full particulars of damage or shortage

In case of freight, we will mail you a copy of shipping bill when goods are shipped, so that you will know the number of packages to expect, also when to expect arrival of goods. Allow sufficient time for order to arrive by freight. Then if Station agent cannot locate the goods, write us, giving full particulars. *A careful lookout should be kept for goods to arrive at Flag Stations.*

**NON-WARRANTY.**—Sometimes, though not often, seeds do not come up after planting. This may be due to one or more of several reasons such as covering too deeply, or not deeply enough, too much or too little water, weather too cold or a baking sun, which forms a crust too hard for tender shoots to penetrate. Sometimes insects destroy plants at the surface, before they are seen by the Gardener. We cannot personally direct the use of our goods, after they leave our hands, neither can we fully control anywhere, or at any time the operation of the laws of Nature, as they affect seeds. Therefore, though we **Test for Germination** all our seeds, and do not send any out that do not show strong vitality, we give no warranty, express or implied as to description, quality, productiveness, or any other matter of any seeds we send out, and we will not be in any way responsible for the crop. If the Purchaser does not accept the goods on these terms he must notify us at once, and we will give instructions for the disposition of the goods.

# GEORGE KEITH & SONS

124 KING STREET EAST, TORONTO

Established 1866



# Flag Stations

Unless specially arranged for us to pay cost of freight, customers having their goods sent by freight to a Flag Station, must allow for payment of freight, otherwise shipments will be sent to nearest Station where an Agent is located.

**GEO. KEITH & SONS**  
124 King St. E. **SEEDS** TORONTO  
SEED MERCHANTS SINCE 1866

Market Gardener.....	.....
Mkt. Gard'r & Farmer.....	.....
Farmer.....	.....
Amateur Gardener.....	.....
Florist.....	.....
Amateur Florist.....	.....
Fruit Grower.....	.....
Poultryman.....	.....

AMOUNT ENCLOSED	DOLLARS	CENTS
Post Office Money Order	.....	.....
Postal Notes ( <sup>How</sup> many).....	.....	.....
Express Money Order .....	.....	.....
Bank Draft.....	.....	.....
Bank Cheque(Add 20c.for exchange)	.....	.....
Cash ( <sup>Do not send unless</sup> Registered)	.....	.....
Stamps.....	.....	.....
<b>Total amount sent</b> .....	.....	.....

NAME.....  
(Write plainly)

Post Office.....  
(Write plainly)

P.O. Box..... }  
R.R. No..... } Name of Ry. ....

Ry. Station .....

County..... Province.....

Is there a freight agent at your Ry. Station?.....

Order No. R..... Forwarded by..... Date.....  
(State whether by Mail, Express or Freight)

OBSERVE CAREFULLY WHETHER THE PRICES QUOTED INCLUDE POSTAGE OR NOT

[illegible]

FORWARD (Over)

Do not omit to sign your NAME on order. Occasionally we receive money along with unsigned orders.

We pay RAILWAY FREIGHT (not express), to all points in Ontario and Quebec on all orders of \$25.00 or more, and to all points in the Maritime Province, if the customer adds 50 cents for every 100 pounds of goods ordered.







# A STRAIGHT FROM THE SHOULDER TALK ABOUT SEED CORN

## A DANGER TO GUARD AGAINST

**A** PEST called the European Corn Borer has appeared in some Ontario seed-producing townships, and gives indications of seriously affecting the corn crop.

To suppress this dangerous pest, the Dominion Government has passed an order in regard to the sale and shipment of seed corn on the cob.

### THIS ORDER PRACTICALLY FORCES CORN GROWERS FOR SAFETY'S SAKE TO BUY THEIR SUPPLY OF SEED CORN SHELLED

Our policy for a number of years has been "Buy your Seed Corn on the Cob," and most of our orders were filled in that way. This pest and the Government's ruling on it, have created an entirely new set of conditions. To meet these new conditions we have installed the most modern machinery procurable to insure entirely reliable shelled corn that will keep well and grow well.

In our treatment of the corn, the moisture content of the grain is reduced to  $14\frac{1}{2}$  per cent. Most Ontario corn runs about 18 to 20 per cent. of moisture, and when such corn is shelled in the ordinary way and shipped, it is almost sure to heat more or less and thus lose its vitality. Our method guards against this danger.

We have secured our seed corn from the best sources of supply in Ontario. It was harvested early. It was well-stored. After shelling, the grain is graded, treated and then tested for germination. The result is a product of which we are sure, and one that will gain your confidence.

**No Seed is sent out by us that does not Germinate 85 per cent. or better**

**REMEMBER!** It costs as much to plant poor or indifferent seed and cultivate the ensuing crop, as it does to plant Keith's quality seed corn which is the best the country produces.

In view of all this we advise our customers to purchase their wants this year shelled, then you take no risks of having your crop infected with the Corn Borer.

**SEE NEXT PAGE FOR GOVERNMENT'S NEW RULING AND PRICES**



# SEED CORN PRICES

Bags Free.

We pay freight—See foot note on each page

## THE NEW RULING OF THE DOMINION GOVERNMENT TO SUPPRESS THE SPREAD OF THE EUROPEAN CORN BORER

The order states that no Corn Fodder, or Stalks, including Broom Corn, whether used for packing or other purposes, Green Sweet Corn, Roasting Ears, Corn on the Cob, or Corn Cobs shall be moved from any localities in the said quarantined townships.

**Quarantined Townships:**—Wainfleet, Humberstone, Berlie in Welland county, Moulton, Sherbrooke, in Haldimand county; Dereham, Norwich, north and south, Oxford, north and south, Missouri East, in Oxford county; Usbourne in Huron county; Bayham, Malahide, Yarmouth, Dorchester South, Southwold, Dunwich, Aldsbrough in Elgin county; Dorchester North, Westminster, Delaware, Caradoc, Missouri West, London, Biddulph, Lobo, Adelaide, Metcalfe, Eckfrid, Mosa, in Middlesex County, Zone, Orford, Howard, Harwich, in Kent County. This quarantine shall not apply to clean shelled corn.

The pest carried in several ways and one is by means of the cob, but once the corn is shelled and cleaned the danger is evaded. Therefore it is wiser this year to buy your seed corn shelled.

The Dominion Government Experts on the Corn Borer observe that the pest seems to prefer the Flint varieties and advise the planting of the Dent varieties in the affected districts.

**If you still feel that you want your seed corn on the cob, we can supply you with Cob Corn grown in districts of Ontario not under quarantine at our listed prices for shelled corn. 70 lbs. Cob Corn, per bushel.**

## VARIETIES OF CORN FOR SILAGE AND FOR FODDER

From the experiments at O.A.C., Guelph, in 10 year tests of many varieties planted during the last 10 days of May and harvested about the middle of September. The stage of maturity of the corn has been indicated by the condition of the grain at the time it was cut. The seven terms which have been used to describe the corn in regard to its ripeness have been as follows: Water, Early milk, Milk, Late milk, Dough, Firm dough and Ripe. We have here selected from a long list of experiments some of the varieties that are procurable and are suitable to Ontario.

	Class of Corn.	Condition of Grain When Harvested	No. of Days Until Full Tassel	Height of Plant Inches	Yield Per Acre. Total Green Crop. Tons
Salzer's North Dakota....	White Flint	Dough	86	88	17.88
Compton's Early.....	Yellow Flint	Firm Dough	86	90	16.16
Longfellow Ont. ....	Yellow Flint	Firm Dough	83	88	15.32
White Cap... Wisconsin	Yellow Dent	Late Milk	90	99	15.94
No. 7.....	White Dent	Late Milk	88	99	15.63
Golden Glow.	Yellow Dent	Late Milk	84	92	14.55
Leaming.....	Yellow Dent	Milk	91	99	14.55

From the above list you can form an idea just what each variety, in comparison with others might be expected to do on your own farm.

The Flint varieties give a surprisingly heavy yield of corn in good condition for the silo.

Most people (and we know we did) think that Dent varieties outyield the Flints, and that as a general rule the late varieties are the heavy yielders. The results of the experiments show North Dakota White Flint with 18 tons of green crop per acre, and grain in the dough stage. Improved Leaming under similar conditions gave about 16 tons per acre with grain only in the milk stage. From general appearances of the growing crop a person is apt to be deceived, as the Dent varieties with single stalks have a showy appearance, while the Flint varieties with shorter stalks and more leaves and suckers generally yield higher than the appearance, when growing, would seem to indicate. Not many people realize, for instance, from the appearance of the growing Corn that Salzer's North Dakota, Compton's Early or Longfellow would likely produce throughout the Central part of Ontario heavier crops of green material per acre than White Cap Yellow Dent or Wisconsin No. 7 varieties.

## DENT CORN

**White Cap Yellow Dent.** Medium early to medium late, according to strain grown for grain in Southern Ontario and for fodder and silage in Central and Northern Ontario. Price, per bushel, \$2.00. Bags free.

**Golden Glow or Wisconsin No. 12.** A Yellow Dent Corn that in trials of the Ontario Experimental Union show it to be one of the best. Price, per bushel, \$2.25. Bags free.

**Wisconsin No. 7.** Medium in earliness, usually matures in the extreme Southerly parts of Ontario, suitable for silo in warmer parts of the province. Price, per bushel, \$2.25. Bags free.

**Early Bailey.** A fine yellow Dent corn. Matures about the same time as Wisconsin No. 7. If you have used Improved Leaming before think you will find Early Bailey much better. Price, per bushel, \$2.00. Bags free.

**Improved Leaming.** A variety well known to all ensilage growers. It has filled many a silo in Ontario and Quebec and done it well. Price, per bushel, \$2.00. Bags free.

**Red Cob.** Seed grown in U.S.A. A prolific growing white corn, with a red cob. Price, per bushel, \$2.00. Bags free.

**Mammoth Southern Sweet.** Seed grown in U.S.A. Similar to Red Cob. Price, per bushel, \$2.00. Bags free.

## FLINT CORN

**Salzer's North Dakota.** Medium early, a heavy yielder of stalks, white eight-rowed ears. Crop suitable for husking or for the silo in Central Ontario. Price, per bushel, \$3.00. Bags free.

**Compton's Early.** Early, medium yield of stalks, yellow twelve-rowed ears, good yielder of grain. Suitable for silage in more Northerly districts of Older Ontario. Price, per bushel, \$3.00. Bags free.

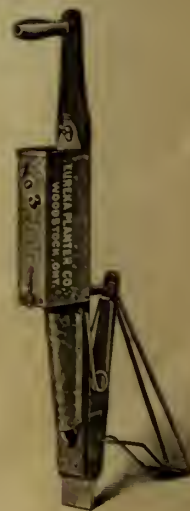
**Longfellow.** An eight-rowed yellow Flint. Makes a good husking corn in Southern Ontario and a good silo corn in Central and Northern Ontario. Price, per bushel, \$3.00. Bags free.

## SPECIAL DISCOUNT

20c. per bushel

On Corn Orders

of 25 Bushels  
or over



**CORN PLANTER, EUREKA AUTOMATIC.** This is the cheapest and best Corn Planter made. As a labor saver in Corn planting it stands unrivaled. The working parts are simple and durable. It has been used for a number of years and has given the best possible satisfaction. Each \$2.00.

**EUREKA TWO HANDED CORN PLANTER.** Each, \$2 00.



# KEITH'S CLOVERS AND TIMOTHY



## KEITH'S RED CLOVER COTTON BAGS 50c. EACH. ALFALFA CLOVER

This Year Offers a Great Opportunity

The quality of the 1921 crop is splendid, so good in color and size of berry that thoughts of the good old days are recalled when there was no Clover produced on the face of the earth that showed better quality than Canadian Red Clover.

The price is so tempting also that every field should receive the benefit of Clover, if only as a soil builder. The high prices and poor catches in the last few years have been the cause of much Clover starved land.

Prices subject to market changes

"Sun" Brand, No. 1 Government Standard. While selecting this seed we have always in mind those qualities outside purity, that show health and strength, and the result is the best of the season's crop. Present price, \$18.50.

"Moon" Brand, No. 2 Gov. Standard. Present price, \$17.00 per bush.

"Comet" Brand, No. 3 Gov. Standard. Present price, \$14.50 per bush.

## MAMMOTH CLOVER

"Sun" Brand, No. 1 Gov. Standard. Present price, \$19.00 per bush.

"Moon" Brand, No. 2 Gov. Standard. Present price, \$17.50 per bush.

"Comet" Brand, No. 3 Gov. Standard. Present price, \$15.50 per bush.

## DON'T OVERLOOK KEITH'S ALSYKE CLOVER

This hardiest of all Clovers, which adapts itself to a great variety of soils, being perhaps the most used Clover on lands that are inclined to be low. Ontario has for years grown seed for the markets all over the world, and the time has come when growers will have to use every precaution to keep their fields clean and produce a product pure enough to meet the most exacting seeds laws of any country.

Alsyke seems to be a crop that requires eternal vigilance to keep clean. Quantities of the 1921 Ontario Crop are too weedy for any market we can locate. Very few growers realize that to have pure seed the seed has to be grown pure in the first place. The cleaning machines help in a very striking way, but all the cleaning machines in the world cannot remove all the weed seeds common to Alsyke.

Buy clean, pure seed. If you have a clean field get started right. "Ocean A" Brand Alsyke. No. 1 Government Standard. Our best selected for quality and purity. Present price, \$19.50 per bush. "Ocean B" Alsyke. No. 3 Government Standard. (No. 1 Purity). Present price, \$17.00 per bushel.

"Sea" Brand, No. 2 Gov. Standard. Present price, \$17.00 per bush. "Lake" Brand, No. 3 Gov. Standard. Present price, \$14.00 per bush. No. 1 Gov. Standard, 85% Alsyke, 15% Timothy Mixed. (Pure & clean). Present price, \$17.00 per 60 lbs.

No. 2 Gov. Standard, 85% Alsyke 15% Timothy Mixed. Present price, \$16.00 per 60 lbs.

No. 1 Gov. Standard, 60% Alsyke 40% Timothy Mixed. Present price, \$12.00 per 60 lbs.

Sow 15 to 20 lbs per acre

The story of Alfalfa is the wonder story of North America. A plant viewed with distrust a few years ago, regarded as hard to raise, and a hobby of the impractical theorist. Now its practical valuation in dollars would be hard to estimate.

The Canadian Farmer interested in this wonderful Clover to be successful has to follow the best methods of cultivation and secure seed that will produce plants hardy enough to withstand our winters. This advice is simple, but one mis-step means failure. Seed offered as "Northern grown Alfalfa" should not be used. There is nothing definite about it. "Northern grown" might mean anywhere on the North American continent. We do not offer anything but Canadian grown seed, other than Grimm, because we know definitely that a great portion of seed raised in the States and other countries will not produce plants to withstand our winters. We will not go into the methods of cultivation here, but offer you seed of strains that we know to be suitable for Canadian conditions. Well drained land and lime in the soil is required. We offer them in order of their hardiness.

Grimm Alfalfa, Lyman's Strain. Hardest of all Alfalfa due to many years of careful selection of seed from plants that withstood the trying climate conditions of the Dakotas, with the result that this strain is the best and hardiest. The proof of this fact is shown in the fields of many years standing, right across Canada. Present price, \$45.00 per bushel.

Liscomb's Strain of Grimm Alfalfa. A variety of Alfalfa named from G. W. Liscomb, who introduced it in Eastern Montana some thirty-five years ago. It is an extremely hardy plant, with a branching root system and variegated bloom. Present price, \$35.00 per bushel.

Ontario Variegated Alfalfa. Grown in Ontario. No. 2 Gov. Standard. (1 for purity). Present price, \$25.00 per bush. No. 2 Government Standard. Present price, \$22.00 per bushel.

## TIMOTHY

The country's greatest Hay Crop.

Why?

Because it is adapted to nearly all soils.

Because it is easily grown.

Because it costs less to seed per acre than any other grass.

Because it is readily marketed.

Because it is easy to get pure, clean seed.

We offer,—

"Diamond" Brand. Fancy sample, thoroughly cleaned. No. 1 Government Standard. Present price, \$7.50 per bushel. Market varies.

"Crescent A" Brand, No. 2 Government Standard. (Extra No. 1 for purity). We recommend this brand. Clean enough for any farm. Present price, \$6.25 per bushel. Market varies.

"Crescent B" Brand, No. 2 Government Standard. (No. 1 for purity). Present price, \$5.50 per bushel. Market varies.

"Circle" Brand, No. 3 Government Standard. Present price, \$5.00 per bushel. Market varies.





Who says we don't like Sweet Clover?

## SWEET CLOVER FACTS

GLEANED FROM AGRONOMISTS AND SUCCESSFUL GROWERS THROUGHOUT THE NORTHERN STATES AND CANADA.

Sweet Clover is now a staple crop like Red, Alsike and Alfalfa clovers throughout the North American continent.

An enormous seeding anticipated this season as its virtues are recognized widely and the seed is the cheapest of the clovers.

While the taste for the fodder, hay and silage has to be acquired nevertheless all grazing animals soon learn to relish it and thrive on it.

**A GREAT SOIL ENRICHER** and especially valuable for poor land.

Ninety per cent. of the crop in Ontario is of the White Blossom variety.

The White variety is the more vigorous grower, the greater yielder and the more widely adaptable.

On land that would produce no crops, Sweet Clover has been seeded,—a fine catch and crop secured, and this poor soil has been so improved in fertility by the Sweet Clover that a good grain crop followed.

On soil where it has been difficult to get a catch of Red and Alsike, there has been no trouble to get a catch of Sweet Clover, and the benefit to this land, in increased fertility, was very noticeable in the crops that followed. Being a Biennial it lends itself readily to short rotation.

The large deep roots add much nitrogen and humus to the soil, improve aeration, drainage, and undoubtedly the yield of crops following.

The much larger root growth of the White Species is desirable because of the additional quantity of humus added to the soil.

**PASTURE.** Sweet Clover is the first pasture in the spring and on account of its continuous new growth makes a good summer pasture, but experience has shown that it is necessary to guard against grazing too closely during this period or the plants may be killed. But it may be pastured fairly close in the Autumn, as it does not appear as necessary to provide a winter covering as is the case with the Red Clover.

It is an excellent fall pasture. It can be pastured in the fall, the season it is sown, and one grower found that even if cropped closely by sheep at this season it came through strong and vigorous next spring.

It will stand pasturage better than the other clovers, and no other pasturage will carry as much stock per acre. For some unknown reason it does not cause bloating. No satisfactory explanation of this is known yet.

On account of its deep root system it will provide luxuriant pasturage during long spells of dry weather. This was proven in some districts of Ontario last May.

Cattle pasturing on Sweet Clover should have access to dry straw or another meadow, if possible.

Mixed with Blue Grass it makes a pasture of double the carrying capacity of Blue Grass alone.

Annual Pasture Mixture recommended by Prof. Zavitz, O.A.C., Guelph. 80 lbs. Oats per acre; 20 lbs. Sweet Clover, White Blossom, per acre.

The Oats provide the early pasture six weeks after sowing and carry the stock till the Sweet Clover has got established. The following season this Sweet Clover in the field will provide a bounteous pasture or a hay or seed crop.

**HAY.** Well cured Sweet Clover hay has about the same feeding value as high grade Alfalfa hay.

Sweet Clover should be cut before flower buds appear. It is important that the first crop of the second season be cut 10 or 12 inches above the ground to ensure a good second growth.

**SILAGE.**—It has been successfully used for ensilage. Cut when coming into bloom.

The first crop of the second year may be cropped for ensilage if a binder is used. The reason for using a binder is to leave a high stubble 10 to 12 inches to make sure of a second growth, and it is easier to handle.

To prevent the loss of juice allow the bundles to remain in the field if possible until the plants are wilted thoroughly. Dry straw should be placed in the bottom of the silo to absorb some of the juice.

It is possible to use the straw for ensilage after the seed has been threshed out. In this case it will be necessary to add water at the blower and also at the top of the silo. After the ensilage is in the silo it should be covered with a layer of some kind of green plants and thoroughly soaked with water.

One grower puts the first cutting into the silo for summer feed. When asked if it would take the place of corn, he said, "No. I would like to grow both and to make ensilage of both separately, and I would not want to be without either."

It has been found to make excellent ensilage by placing alternate loads of corn and Sweet Clover in the silo.

It has been found by Mr. Chas. Watson, of Agincourt, that a profitable and easy way to save the clover when weather conditions made it impossible to cure it for hay, was to put it into the silo to provide an ideal summer feed at a time when other feeds and pasture were scarce.

**CULTURE.**—Sow along with grain just as you would Red Clover, 10 to 15 pounds scarified seed or 15 to 25 pounds unscarified hulled seed per acre. Heavy seeding for fine growing plants.

It is easily eradicated. As it is a biennial the plant dies as soon as the seed crop is removed.

While it is quite apparent that there are different strains of both the Yellow and the White blossom Sweet Clover, there is nothing definite as yet to work on. It will take a few years of experimenting and selection to find the strains most desired.

**SCARIFIED SEED.** By actual experiment at O.A.C., Guelph, it has been proved that a percentage varying from 10 to 50 per cent. of unscarified sweet clover and up to 35 per cent. Alfalfa seed will not sprout the first season on account of the hardness of the seed skin. In the ordinary course of Nature the frost or the elements in some way might soften these hard seeds, but seed that is harvested and stored as is the custom often contains hard seeds.

Scarifying process scratches the skin of all the seed. Thus allowing the heat and moisture of the seed bed a much greater opportunity of forcing an even and full germination. Our orders are mostly for scarified seed. We charge \$1.00 per bushel extra for scarifying the seed.

**PRESENT PRICES.** White Blossom, No. 2 Government Standard (No. 1 purity), \$7.00 per bushel. Yellow Blossom, No. 2 Government Standard, \$7.00 per bushel. Scarified seed, \$1.00 per bushel extra.

### NEW ANNUAL SWEET CLOVER

Prof. Hughes, of Iowa State College at Ames, has introduced a new variety of Sweet Clover which looks like the White Blossom Biennial but makes all its growth, blooms, and seed the first season. It will undoubtedly have great value as a quick clover crop for hay or green manure. We have secured a small quantity for experimental purposes. Price, \$1.50 per oz.



In experiments with Oats, Barley, Fall Wheat, Spring Wheat and Rye at Guelph Ontario Agricultural College, extending over a period of 30 years, the results show that varieties of Grain crops may be grown in Ontario for many years without a change of seed, and with very satisfactory results, if care is exercised in the use of seed of good quality. It is a well known fact that varieties of exceptional merit are often discarded by many growers after a trial which is not satisfactory, and in many cases the reason for the poor showing is easy to trace. It might be, and very often is one of three reasons, unsuitable seed, poor cultivation or seed untrue to variety. The best results can only be secured by selecting good, healthy seed, by thoroughly cleaning the seed, and by good cultivation. You can rely on the standard varieties we offer you.

Treatment to kill stinking smut of Wheat and loose smut of Oats. Formalin 1 pint, 60c.; 1 quart, \$1.00.

One pint to 42 gallons of water will suffice for 10 to 20 bushels. Immerse the grain in this solution for 20 minutes. Spread out grain to dry and sow as soon as possible.

## SEED OATS

The average number of days from the time the seed is sown until the crop is ready to harvest, for the 12 year period is as follows: O.A.C. No. 3, 102; Banner, 111 and O.A.C. No. 72, 111.

O.A.C. No. 72. Late, vigorous grower, good straw, spreading head, white grain with pinkish coloration, comparatively thin hull, high yielder of grain. Registered seed grown under the regulations of the Canadian Seed Growers Association. The grower of this seed, Mr. R. H. Abraham, has received a yield of over 100 bushels per acre with this strain in each of the last three years. Put up in 2 bushel sealed bags at \$1.50 per bushel. Bags free.

O.A.C. No. 72. Grown from registered seed. Pure and clean. Present price, \$1.10 per bushel. Bags free.

Good clean stock. Present price, \$1.00 per bushel. Bags free.

American Banner. Late, good straw, spreading head, white grain; medium hull. Registered seed grown under the regulations of the Canadian Seed Growers Association. Put up in 2 bushel sealed bags at \$1.50 per bushel. Bags free.

American Banner. Grown from registered seed. Pure and clean. Present price, \$1.10 per bushel. Bags free.

Good clean stock. Present price, \$1.00 per bushel. Bags free.

O.A.C. No. 3.—This is an exceptionally early variety, being about 10 days earlier than either the Banner or O.A.C. No. 72. Has a thin hull and yielded in 12 year trials 2 bushels per acre less than O.A.C. No. 72 and 10 bushels per acre more than the Banner. Present price, \$1.25 per bushel. Bags free.

## BARLEY

Barley is the highest in production of digestible food constituents of all the small grains grown in Ontario. Sow  $1\frac{1}{4}$  to  $1\frac{3}{4}$  bushels per acre.

O.A.C. No. 21.—Registered seed grown under regulations of the Canadian Seed Growers Association. Put up in  $2\frac{1}{2}$  bushel bags. (We do not care to break the bags. Present price, \$2.00 per bushel.

O.A.C. No. 21.—Early stiff straw, six rowed head, grain bluish under the hull, good quality, heavy yielder. Present price, \$1.50 per bushel. Bags free.

Two Rowed Barley.—Has given unusually large yields during the last few years. It is generally conceded that here in Ontario if we get a normal year six-rowed varieties give the best crop, but if the season is wet that the two-rowed varieties give the best yield. Used for mixing with Banner and O.A.C. No. 72 oats for mixed crop, as the grains ripen together. It is 5 to 6 days later than O.A.C. No. 21. Present price, \$2.00 per bushel. Bags free.

Black Hulless Barley.—Bearded, straw about 10 inches shorter than, and matures a few days earlier than, O.A.C. No. 21. Ask for prices.

Guy Mayle Black Hulless.—Similar to above. Ask for prices.

## SPRING RYE

Sow  $1\frac{1}{2}$  bushels per acre

O.A.C. No. 61.—Good straw, medium height. The highest yielder of all the varieties of Spring Rye. Present price, \$3.00 per bushel.

Common Spring Rye.—Present price, \$2.50 per bushel.

## FIELD PEAS

Arthur.—Sow  $2\frac{1}{2}$  to 3 bushels per acre. A white pea, medium size, medium late, white blossom, large yielder, length of vine about 3 feet. Days to mature about 110. Is probably the best variety of Field Pea for Ontario now available in a commercial way. Dominion Government urge farmers to use this variety. Present price, No. 1 sample, \$3.50 per bushel, bags free. No. 2 sample, \$3.00 per bushel, bags free.

Canadian Beauty.—Sow 3 to 4 bushels per acre. Large, white pea. Length of vine about 4 feet. Days to mature about 113. Present price, No. 1 sample, \$3.50 per bushel, bags free. No. 2 sample, \$2.75 per bushel, bags free.

Golden Vine.—Sow  $1\frac{1}{2}$  to  $1\frac{3}{4}$  bushels per acre. Small, white pea. Length of vine about 4 feet. Days to mature, 115. Particularly suitable for mixing with oats in the production of green fodder or of hay from which satisfactory results have been obtained by using a mixture of 1 bushel of peas and 2 bushels of oats or a total of 3 bushels per acre. Present prices, No. 1 sample, \$2.75 per bushel, bags free. No. 2 sample, \$2.50 per bushel, bags free.

Potter. Medium late, medium straw, white blossom, small, white grain. Medium yielder. Present price, No. 1 sample, \$3.50 per bushel, bags free. No. 2 sample, \$3.00 per bushel, bags free.

## FIELD BEANS

Pearce's Improved Tree.—The strain we offer of this variety was originally secured from O.A.C., Guelph, and then a selection of the earlier plants were made. The crop grown for us last season was harvested in plenty of time for the ground to be prepared and put into fall wheat. Beautiful sample. Present price, \$5.00 per bushel. Bags free.

Small Pea Bean.—Present price, No. 1 sample, \$3.50 per bushel, bags free. No. 2 sample, \$3.00 per bushel, bags free.

## BUCKWHEAT

This crop is an important one in Ontario. This is due to several causes. The lateness the crop can be sown, and give good returns, the value it has as a good smotherer, for soiling purposes and the comparatively good yields of grain often obtained from poor land. Sow 3 to 5 pecks for grain production. 2 bushels if for smothering weeds.

Rye Buckwheat or Rough Buckwheat.—Early, medium yield of straw, grain with rough thick hull, very heavy yielder. In 13 years tests at O.A.C., Guelph, its average yield was 30.3 bushels per acre or 9 bushels more than any other variety. Present price, \$1.75 per bushel. Bags free.

Silverhull.—Medium early, heavy yield of straw, grain with smooth hull, fair yielder. Present price, \$1.60 per bushel. Bags free.

## SPRING WHEAT

Marquis.—Early, good straw, beardless head, white chaff, red grain, excellent quality for bread production, good yielder. Present price, No. 1 sample, \$3.25 per bushel, bags free. No. 2 sample, \$3.00 per bushel, bags free.

Wild Goose.—Fairly early, tall straw of medium strength, compact bearded head, hard grain, high yielder. Present price, No. 1 sample, \$3.25 per bushel, bags free. No. 2 sample, \$3.00 per bushel, bags free.

Red Fyfe.—Present price, \$3.25, bags free.

White Russian.—Present price, \$3.25, bags free.

## FLAX SEED

Sow for production of seed, 45 lbs. per acre. For Fibre, experiments show that a seeding of 112 lbs. to the acre is best.

Flax Seed.—Ontario grown, common, medium height, blue flowers, quantity of fibre and seed varying with care of soil and season. Present price, clean seed, \$3.50 per bushel.

## MIXED GRAINS

Mixed Grains for Grain Production.—O.A.C. No. 3 Oats and O.A.C. No. 21 Barley, 1 bushel each per acre.

Mixed Grains for Green Fodder or Hay.—O.A.C. No. 72 Oats, 2 bushels per acre. Golden Vine Peas, 1 bushel per acre.

Mixed Grains and Clover for Annual Pasture (1).—O.A.C. No. 72 or Banner Oats, 3 bushels per acre. Red Clover, 7 lbs. per acre.

Mixed Grains and Clover for Annual Pasture (2).—Oats, 51 lbs. per acre. Sorghum, 30 lbs. per acre. Red Clover, 7 lbs. per acre.

Annual Pasture.—As recommended by Prof. Zavitz at the Experimental Union, January 7, 1920. This mixture he is confident will give more pasture than any other mixtures the Summer and Fall of the season planted, and then the Sweet Clover can be pastured the next season. Oats, 80 lbs. per acre. Sweet Clover, 20 lbs. per acre.



# FORAGE PLANTS

These Forage plants help in a large way to make the farm pay better  
**Dwarf Essex Rape.**—This plant resembles the Swede Turnip in its leaf.

It is the leaf and the stem which furnish the valuable portion for feeding to live stock. Rape makes an excellent late Summer and Autumn crop for feeding cattle, hogs, sheep and lambs. The latter have always done exceptionally well. Their health has been good, and their increase in live weight has been rapid. The usual seeding is 5 to 6 lbs. to the acre. Price per lb, 20c; 25 lbs. or more, 14c. per lb.

**Rape for eradication of weeds.**—That good cultivation followed by Rape sown in drills about 26 inches apart (1½ lbs. to the acre) provide a means of eradicating both perennial Sow Thistle and Twitch Grass.

**Thousand Headed Kale.**—At O.A.C., Guelph, trials in the past 19 years gave an average yield of 19.82 tons of green fodder per acre, or 2 tons more than Dwarf Essex Rape. The feeding qualities are the same as Rape. Sow 2 lbs. per acre in drills from June 15th to July 30th. Price, 50c. per lb.

**Sorghum or Early Amber Sugar Cane.**—The best results may be expected from rich, sandy loam soils. As a rule the Sorghums thrive well in comparatively dry seasons. Sow in rows 2 to 3 feet apart and cultivate in much the same way as corn. Use 10 to 12 lbs. per acre. Broadcast 75 lbs. per acre. For Annual Pasture see page 7. Price, 10c. per lb; 25 lbs. or more at 5c. per lb.

**Hairy Vetch or Sand or Winter Vetch.**—Used for the production of green fodder and of hay, and as a cover crop in orchards. The Vetches are leguminous crops and furnish feed which is rich in nutritive constituents. Hairy Vetch is also planted with Winter Rye. Price, 30c. per lb; 25 lbs. or more at 22c. per lb.

**Common Spring Vetch or Black Tares.**—As fodder for dairy cows it is very valuable. Sow as early as possible for the first fodder. In drills sow 1 bushel per acre. Broadcast 1½ bushels per acre. Price, 15c. per lb; 25 lbs. or more at 8c. per lb.

**Sunflower for Fodder.**—This crop is attracting considerable attention, especially in the northern districts. It is a hardy crop and failure is very rare. Plant in the same way as corn. Price, 15c. per lb; 25 lbs. or more at 10c. per lb.

## MILLETS FOR FODDER AND HAY

**Japanese Barnyard** for production of green fodder. As a rule about 25 lbs. of seed are used per acre on land which has been carefully cultivated, and in a moist condition to ensure quick germination. Best results are obtained if seeding is made before July. Present price, 20c. per lb; 25 lbs. or more at 14c. per lb.

**Hungarian.**—The O.A.C., Guelph, advise that for early seedings of Millet, Japanese Barnyard is usually the most suitable, but for late seeding the Hungarian, which requires a shorter season of growth is frequently the best variety to use. Sow ½ to 1 bushel per acre for Fodder or Hay. Present price, 10c. per lb; 25 lbs. or more at 5c. per lb.

**Siberian.**—Gets a very good position in the five year tests at the O.A.C., Guelph. It gives a high yield of seed per acre and is about equal to most commercial varieties for hay and fodder. Sow ½ to 1 bushel per acre for fodder and hay. Present price, 10c. per lb; 25 lbs. or more at 5c. per lb.

**Golden Millet.**—The growers in the South Western States claim that Ontario growers would do well to grow only this variety from seed produced in the South Western States. They claim it produces a much heavier yield of fodder than local grown seed. We think there is a practical difference, but at the present we cannot back this up by actual trials. Sow ½ to 1 bushel per acre for fodder and hay. Present price, 10c. per lb; 25 lbs. or more at 6c. per lb.

**Common Millet.**—Sow ½ to 1 bushel per acre for fodder and hay. Present price, 10c. per lb; 25 lbs. or more at 4½c. per lb.

## Special Discount!

### ON SEED CORN ORDERS

20 cents per bushel

If 25 bushels or more are ordered.

(SEE PAGE 4)

# GRASSES

We offer seed of high germination and purity

**Orchard Grass.**—A hardy perennial used for hay when sown alone but more suitable in a pasture mixture, starting growth early in the spring and continuing until late autumn. It grows quickly after being cut or pastured. It will succeed on soils with a lesser moisture supply than is required for Timothy. It is one of the best grasses in withstanding drought, and may be sown successfully either in the autumn or spring with cereal grains. From 25 to 30 lbs. is sown per acre when this grass is not seeded in combination with clovers and other grasses. Sow broadcast. Present price, 30c. per lb; 10 lbs. or more at 22c. per lb.

**Meadow Fescue.**—A hardy perennial of good quality for hay or pasture, particularly suitable for use in pasture mixture. It does best on rich, moist soils or sandy soils, where there is a sufficient supply of moisture available. Because of its drought resisting qualities its ability to stand tramping and the large amount of pasture produced in summer and autumn Ontario pasture mixtures usually include this grass. Present price, 40c. per lb; 10 lbs. or more at 33c. per lb.

**Tall Oat.**—A good hay and pasture grass and gives its best returns when sown in mixture. In its resistance to drought Tall Oat is the equal if not the superior to Orchard Grass. It will stand tramping. Present price, 60c. per lb; 10 lbs. or over at 50c. per lb.

**Red Top.**—A perennial particularly suitable for hay and pasture on low damp land. Pasture mixtures both temporary and permanent when sown on low wet lands should always include Red Top as one of the grasses sown. Present price, 30c. per lb; 10 lbs. or over at 25c. per lb.

**Canadian Blue Grass.**—Grows naturally in dry, sunny places. It often occurs in poor, gravelly soil, where other plants find it difficult to get a foot hold. A stiff rather unproductive clay loam is the soil in which it is preferably grown, because it will do well under such conditions where other plants might fail. On rich limestone soil it cannot compete with Kentucky Blue Grass. On the other hand it will do much better than Kentucky on poor clays. For Lawn Grass Seed see inside back cover. Price, per lb, 25c; 10 lbs. or over at 20c. per lb.

**Kentucky Blue Grass.**—Grown for hay, pasture and to make sod. It produces a small amount of hay of good quality. This high quality is equalled by few grasses. As a pasture grass it ranks high, starts growth early in the spring, forms a close compact turf which enables it to stand a large amount of tramping and close grazing without injury. For hay or pasture sow 20 to 30 lbs. per acre. For lawns sow 75 to 100 lbs. per acre. Present price, 35c. per lb; 10 lbs. or over at 30c. per lb.

**Meadow Foxtail.**—It is a perennial of a quality nearly equal to timothy, but is a much smaller yielder per acre. Owing to the fact that it requires from two to three years to become established it is very seldom sown in short rotation mixtures. Its chief value lies in its use in permanent pasture mixtures. For this purpose its earliness gives it a value possessed by no other cultivated grass, as it provides considerable pasture at a period when stock have little to graze upon. Present price, 50c. per lb; 10 lbs. or over at 45c. per lb.

**Perennial Rye Grass.**—On account of the rapidity with which it becomes established it is used in temporary pastures, permanent pastures and in lawns. In permanent pastures it provides pasture during the period when the other and more valuable grasses are becoming established. It stands tramping and close cutting without injury. Present price, 25c. per lb; 10 lbs. or over at 18c. per lb.

**Awnless Brome Grass (Bromus Inermis).**—It does not require a heavy good soil, but thrives where the more valuable grasses would make a poor stand. It is generally used where moisture is rather scarce. It resists drought and extreme cold. When established it is persistent and thorough cultivation is required to suppress it. Sow 10 to 12 lbs. per acre. More seed will give a better crop the first year, but less afterwards. It is generally advisable to sow without a nurse crop. Present price, 40c. per lb; 10 lbs. or more at 35c. per lb.

## WE PAY FREIGHT

See

Footnote on each page.



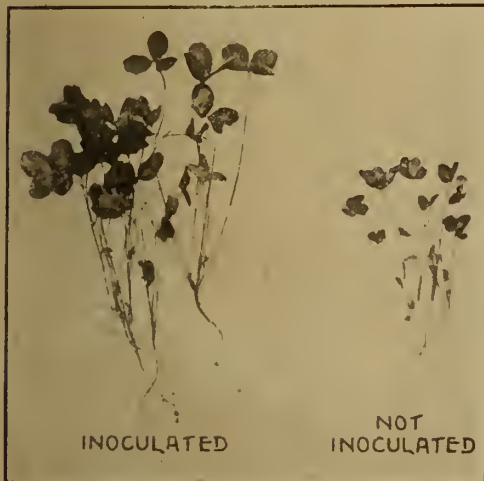
# PASTURE MIXTURES

As recommended by Prof. C. A. Zavitz of Ontario Agricultural College, Guelph. **Annual Crop for Pasture**, see page 6.

**Pasture Crop for two or more years.**—No. 1 mixture, Common Red, 8 lbs, Timothy 4 lbs. No. 2 Common Red 6 lbs, Timothy 4 lbs., Alsike 2 lbs. No. 3, Common Red 6 lbs, Timothy 4 lbs, Alsike 3 lbs, Orchard Grass 3 lbs, Meadow Fescue 3 lbs. No. 4, Alfalfa 4 lbs, Timothy 4 lbs, White Clover 1 lb, Orchard Grass 8 lbs, Meadow Fescue 8 lbs.

Each of the first two mixtures would be suitable for 2 years. No. 3 for a longer period and the fourth mixture would be even suitable in some instances as a permanent pasture. A nurse crop of Grain may be used satisfactorily with any one of the foregoing mixtures. The seed in all cases should be sown in front of the tube drill. The Clover and Timothy can be sown from the grass seed box, and the Orchard grass and Meadow Fescue by hand. The crop could be used for hay in the following year, and for either hay or pasture afterwards.

**FOR LAWN  
GRASS SEED SEE  
INSIDE BACK  
COVER**



**Red Clover (4 months old)**

The results obtained by a Wellington County farmer by inoculating his seed with a **MURDOCH LEGUME CULTURE**. The small, weak seedlings will be easily killed by summer droughts or winter frosts; while the sturdy plants from inoculated seed will survive and produce a good crop.

## MURDOCH LEGUME CULTURE

Do you ever have trouble getting a good catch of Alfalfa or Clover? Do you ever have trouble with winter-killing? Thousands of dollars worth of Alfalfa and Clover seed are lost in this way every year. **MURDOCH LEGUME CULTURES** insure a good catch and a good crop. You need not take our word for it; here is the Government report:

The Department of Agriculture, with the aid of the Experimental Union, have been experimenting with Legume Cultures since 1905. Their reports showed that 80% of the Alfalfa experiments and 70% of the Red Clover experiments gave increased crop returns following seed inoculation. These results are averages from over 27,000 experiments.

Only one size culture is prepared, each one containing ample bacteria to inoculate one bushel of seed.

**Price, \$1.00 each**

Can you afford to take a chance with Clover seed? Think what it means if you fail to get a catch.

Cultures are prepared for inoculating the following kinds of seed:

FIELD BEANS	ALSIKE CLOVER	VETCHES
ALFALFA	SOY BEANS	RED CLOVER
SWEET CLOVER	SWEET PEAS	WHITE CLOVER
FIELD PEAS	CRIMSON CLOVER	COWPEAS

The cultures are sent by mail with full directions for their use; they are good for six months after they are made. The inoculation is very simple and takes only a few minutes.

If you do not get a catch of Alfalfa or Clover this summer, you will have yourself to blame, because you will not have used **MURDOCH LEGUME CULTURES**.

Be sure to advise what variety you intend to inoculate, as different varieties require quite different Legume cultures.



**"CHARLIE CHAPLIN"**

This most excellent steer was raised by D. J. Lerch, of Preston, Ontario. \$60.00 was given as a prize at the Toronto Fat Stock Show this year for the best calf, one year or under, raised on Royal Purple Calf Meal. This excellent steer took the first prize. It also took the first prize for the Boys' Feeding Competition, Reserve Grand Champion, and some of the best stock men at the show stated he was the best steer ever shown in Canada. He weighed 1,020 pounds at less than a year old, and sold by auction at 26c. per pound. Mr. Farmer, why don't you raise one of these calves yourself or let your boy do so? You can do just as well as Mr. Lerch if you use our Royal Purple Calf Meal, and just fancy what it means getting \$260.00 for a calf less than a year old.

## ROYAL PURPLE CALF MEAL

This meal is made up as a positive substitute for milk. It requires more fat in a meal to produce this result than is contained in the milk. If you use new milk it has already been manufactured through the cow from grains and other fodder, but in a meal it requires double the fat to give the same results. This is why calves can be raised on our meal without using new milk and just as good calves produced. If you buy calf meal that does not contain as much fat as our product, you might just as well feed ordinary grains.

ANALYSIS	PRICE	NOTE
PROTEIN - 18.7%	25 lb. bag - \$1 50	Our Freight Allowances apply to these prices.
FAT - - - 10.5%	50 lb. bag - 2 70	
FIBRE - - - 5.50%	100 lb. bag - 5 30	

## ROYAL PURPLE LAYING MEAL

A hen is just like a piece of machinery. To get certain results you must provide the machine with the proper material to get these results. Corn, wheat, oats and ordinary farm grains will only produce enough protein, fat, lime, ash, etc., to make an egg every two or three days so the hen will only secrete what you give her and wait until she has enough to make the egg. Royal Purple Laying Meal is made up on a scientific basis, it contains everything to feed the hen and give her the extra material to make an egg every day.

ANALYSIS	PRICE	NOTE
PROTEIN - 24.4%	25 lb. bag - \$1 25	See Foot Note at bottom of each page for Freight Allowances.
FAT - - - 7.2%	100 lb. bag - 4 80	
FIBRE - - - 5.4%		



# Keiths Superior Quality Mangels & Turnips

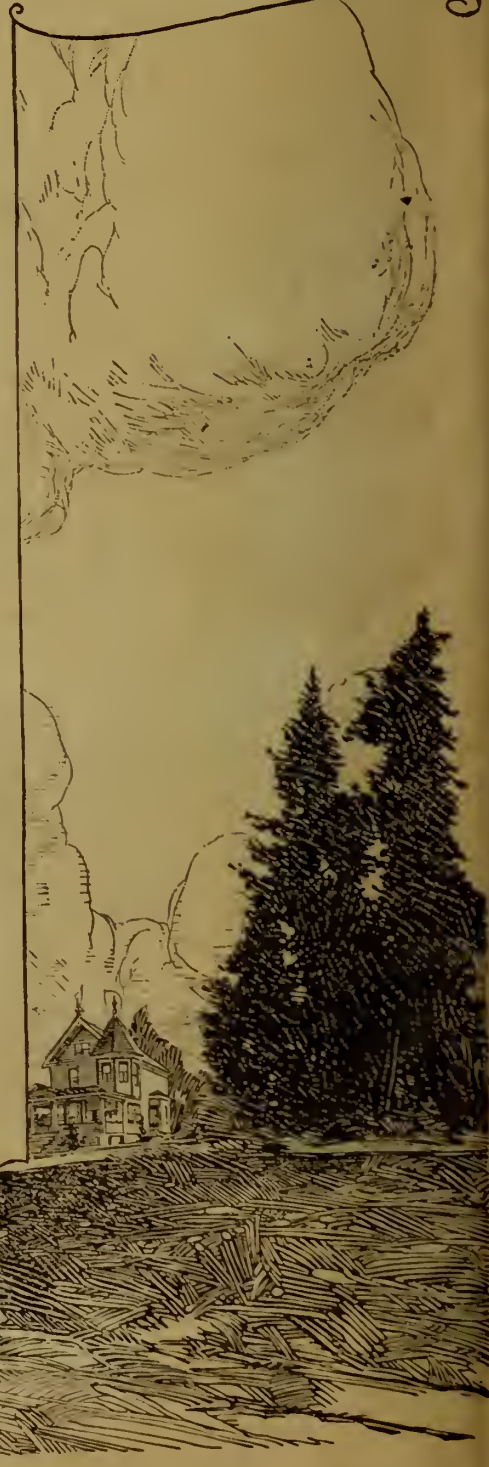
Because of special arrangements we are able to offer this high quality seed at unusually low prices.

We have been supplying seeds of Mangels and Turnips to the growers in Canada for 55 years, and through careful selection and high quality generally our sales have grown to such a magnitude that we are in a position to secure and have secured the very best seed that the World produces. Nothing better can be bought no matter what price is asked,—no matter what wonderful claims are made.

## BUY KEITH'S MANGEL AND TURNIP SEED


and you can be fully satisfied that as far as the seed is concerned you have done the right thing. With good cultivation,—good soil and ordinary luck as far as weather is concerned, a bountiful crop is assured.

To make sure of our seeds we test them in our trial grounds to see for ourselves that they produce crops of high quality and true to type. Also, before we send the seeds out, they are tested for germination and only lots showing high germination and strong vitality are used.





# MANGEL SEED

 We put our mangel and turnip seed up in 1 lb. cotton bags. To put the seed in these bags, including the bag, costs us exactly 5c. per lb. Ordering "in bulk" you save this 5c. per lb. The seed sold in bulk and in packages is the same.

## Prices of Mangel Seed, all varieties

IN BULK. Carriage charges extra. 30c. per lb. if 50 lbs. or more ordered. 35c. per lb. if 5 lbs. or more ordered.

IN 1 LB. PACKAGES. Carriage charges extra. 35c. per lb. if 50 lbs. or more ordered. 40c. per lb. if 5 lbs. or more ordered. 45c. per lb. for less quantities.

POSTPAID PRICES. 45c. per lb. if 5 lbs. or more ordered. 50c. per lb. for less quantities.

**Keith's Yellow Leviathan.** Canadian grown. This yellow intermediate mangel has the best record of any mangel at O.A.C., Guelph, and in the co-operative experiments throughout Ontario.

**Keith's Yellow Intermediate.** We sell more of this variety than any other. Very similar to Yellow Leviathan. Roots stand well out of the ground.

**Keith's Prizetaker.** Roots oval shape. Color and quality similar to Yellow Intermediate. Best for heavy soil, easiest to harvest. We think a crop of this variety will surpass anything you have had. In Ontario Experimental Union trials last season, this variety gave average yield of 33¼ tons per acre.

**Keith's Mammoth Long Red.** This variety has been grown so long, and is so well known that a description hardly seems necessary. The length of roots generally four or five times longer than the breadth. It is longer than the Yellow Intermediate and not so thick.

**Danish Sludstrup.** Intermediate, reddish yellow. Quite similar in shape to the Yellow Leviathan. The Danish Government have selected this variety as their best all round mangel.

**Keith's Giant Half Sugar Mangel.** Intermediate in form, white flesh, green top, easily harvested. The best keeper.

## Culture of Mangels and Turnips

Any well drained, well manured, properly worked soil will grow roots. Mangels require the richest and best prepared part of the root field. Swedes come next, and Fall Turnips last. Land intended for roots should be broken out of sod, thoroughly top worked, manured, and ploughed twice in the Fall. On shallow, weedy or poorly drained soils seeding in ridges generally works out the best. On clean rich soil level cultivation we think is preferable. Last season on account of the dry, hot May in these parts many seedings of mangels were lost. Our observations were that level seedings came through better. This was possibly due to the soil moisture being conserved.

**Time of seeding.** We recommend early seeding of mangels, if possible when the grain is planted. Swede turnips from June 1st to July 15th. Turnips give superior quality if the greater part of the growth is in the Fall.

**Quantity required.** Our mangel seed germinates around 150 per cent., nevertheless a heavy seeding is often necessary. Many seeds fail to germinate, not on account of being infertile, but because of lack of moisture or other adverse conditions, therefore it is advisable to sow from 5 to 12 lbs. per acre. Rough land or dry weather require the heavy seedings. Seed should be well covered 1½ inches to 2 inches deep.

Turnip seed 1 to 3 lbs. per acre. Thin mangels and turnips 6 to 15 inches apart.

Roots should be kept free of weeds all summer, and cultivated frequently to conserve moisture.

# SWEDE TURNIP SEED

## Prices of Swede Turnip Seed, all varieties

IN BULK. Carriage charges extra. 45c. per lb. if 50 lbs. or more ordered. 50c. per lb. if 5 lbs. or more ordered.

IN 1 LB. PACKAGES. Carriage charges extra. 50c. per lb. if 50 lbs. or more ordered. 55c. per lb. if 5 lbs. or more ordered. 60c. per lb. for less quantities.

POSTPAID PRICES, 60c. per lb. if 5 lbs. or more ordered. 65c. per lb. for less quantities.

**Keith's Prizetaker Swede Turnip.** A fine selection of heavy cropping Swede Turnip. Good keeper. Nothing better.

**Canadian Gem Swede Turnip.** Canadian Grown seed. Purple top swede. Roots medium-sized, clean and even. A good shipper and keeper.

**Lord Derby Swede Turnip.** A bronze green top swede. Good shape. Hardy.

**Elephant or Jumbo Swede Turnip.** Oval, purple top Swede.

**New Century Swede Turnip.** Similar in type to Canadian Gem.

**Scottish Champion Swede Turnip.** A hardy bronze top.

## EARLY WINTER OR FALL TURNIPS

The fall turnips usually yield more heavily than the Swede varieties but they do not keep so well. May be sown much later in the season than the Swedes. We have seen good crops raised by planting up to the end of July.

PRICES OF FALL TURNIPS LISTED HEREWITH. 40c. per lb. if 50 lbs. or more ordered. 45c. per lb. if 5 lbs. or more ordered. 50c. per lb. for less quantities.

POSTPAID PRICES. 50c. per lb. if 5 lbs. or more ordered. 60c. per lb. for less quantities.

**Cow Horn.** Roots long, half above the ground. Used by Orchard men as cover crop and for soiling purposes. Will give a yield of about 20 tons per acre.

**Keith's Improved Greystone.** Heavy cropper, early and hardy.

**Purple Top Yellow Aberdeen.** Best for poor soils.

**Green Top Yellow Aberdeen.**

## FIELD CARROTS

**Keith's Mammoth Smooth White Intermediate Carrot.** Price, per lb, 50c; ½ lb, 30c; ¼ lb, 20c. Price, postpaid—per lb, 65c; ½lb, 40c; ¼lb, 25c. The best field carrot. Yields 20 to 30 tons to the acre. Easily pulled. Sow 2½ to 5 lbs. per acre. (For Culture, see page 16.)

# KEITH'S VEGETABLE SEEDS

Prices of Vegetable and Flower Seeds are quoted post paid unless otherwise stated

**I**N SEEDS, quality should be considered above all things. **Keith's Seeds** are of the highest quality and sold at the lowest possible prices. We test our seeds in trial grounds and make extensive inspection each year of the crops grown for us, and of crops grown from our seeds. The knowledge gained in this way convinces us that better seeds than we sell cannot be bought **anywhere**. We have tested for germination all the seeds offered in this list, and offer only seeds that show strong vitality and **high germination**. Seeds that do not measure up to "Keith Quality" are rejected.

## MARKET GARDENERS!

We are confident that our strains of Vegetable seeds are suitable for your wants. An increasing number of satisfied users who sow Keith's Seeds, season after season, prove their high quality. Ask the man who uses them! He knows. If you are particularly interested in any special strain or variety, we will be glad to supply you, free of charge, enough seed for a trial.

To get your trade, we have made the prices lower on larger quantities of all our vegetable seeds.

## KEEP YOUR GARDEN WORKING

### Spring - Summer - Fall

The products of your own garden taste better than any you can buy

Many think that all planting must be done during the spring months. This is far from actual fact. The majority of vegetables can be sown throughout the summer and early fall. Most vegetables desired for canning, drying and storing are better sown late. Crops that mature late keep longer if not sown too early. Below find a list of varieties that it is perfectly safe to sow and plant during midsummer and early fall. In giving this list we put in the first column the variety, second column, the last date on which seed may be sown, and the third column, approximate number of days from seed sowing until crops may be gathered. These dates are for the vicinity of Toronto. With the knowledge of the first killing frost dates in your section, you may easily estimate just what kinds to sow in your succession garden.

Vegetable	Last Date to Sow	Required Season
Beans, Snap.....	July 25.....	70 days
Beets.....	August 5.....	70 "
Cabbage, Early.....	July 15.....	100 "
Carrots, Early.....	July 20.....	90 "
Cauliflower, Early.....	July 5.....	100 "
Celery.....	June 15.....	125 "
Chinese Cabbage.....	August 10.....	90 "
Corn Salad.....	August 10.....	65 "
Sweet Corn, Early.....	July 15.....	80 "
Cucumbers, Pickling.....	August 1.....	60 "
Endive.....	August 15.....	55 "
Kale.....	August 1.....	90 "
Kohlrabi.....	August 10.....	60 "
Lettuce, Early.....	August 20.....	50 "
Mustard.....	August 5.....	60 "
Onion Sets, (Perennial)....	October 30.....	
Parsley.....	August 1.....	85 "
Parsnips.....	July 5.....	100 "
Peas, Early.....	July 10.....	80 "
Radish, Spring.....	September 10.....	35 "
Radish, Summer.....	August 15.....	60 "
Radish, Winter.....	August 15.....	75 "
Turnip.....	August 15.....	60 "
Turnip, Swede.....	July 5.....	100 "

**HOUSEWIVES.** Make your vegetable garden the envy of your neighbors. Convince your men folk of the value of a good garden, and what a great help it is to have vegetables all the year round. Many men on the farm consider gardening as work for the women, and few women have the time. A small plot of ground laid out so that it can be worked by horse power could be set aside for this purpose and worked by the men in a surprisingly small amount of time. You have the essentials, the land, the manure and the tools. Why not reap a profitable harvest? On farms where there is a good garden the people would not be without it for ten times the cost in time and expense. They have proved the pleasure and profit that the garden yields. If you have not a garden start one this spring. Once the start is made the plot will grow yearly in usefulness and favor.

### Order When Your Husband Orders His Seeds

You will discover that the small outlay in seeds will be the best investment you ever made.

If you live in a village, a town or city you can still have fresh vegetables. A small plot of ground well cultivated and planted with good seeds will give results you cannot afford to miss.

### For "HOME DEFENCE" Plant a Vegetable Garden. Vegetables are the basic Food of Life

**Artichoke Roots.** By express, 70c per peck, 3 lbs. for 50c, or 20c lb. postpaid. Cultivate like potatoes in rows at least 30 inches apart and 30 inches between plants. Dig in the fall and have land thoroughly turned over. Store as you would potatoes. The demand for good Artichokes is increasing.

**Asparagus Seed, Palmetto.** (1 oz for 60 feet of drill); lb, 60c; oz, 15c; pkt, 5c.

**Asparagus Roots.** We offer strong two-year-old roots. Palmetto variety by express, not prepaid, per 1000, \$10.00; per 100, \$2.00, or postpaid, \$2.50 per 100. For garden culture a bed of 12 feet x 35 feet would require about 150 roots. These roots become established in a single season affording a supply of shoots the second season. We send free with either seed or roots a complete cultural leaflet.

## LOOK OUR PRICES OVER CAREFULLY



# KEITH'S SELECTED GARDEN BEANS

(Sow 2 lbs. for 100 feet, 1½ bushels per acre)



Keith's Wonder Wax Bush Beans

Beans are of easy culture and should be found in all kitchen gardens. The market gardener works for the very early trade or the late trade. It generally takes between 60 to 70 days from time of planting till Wax Beans are ready for use. Beans are somewhat tender. Plant when ground is dry and warm and at intervals for succession until late July. Plant in rows 30 inches apart, beans 3 inches apart in drills and not more than 2 inches deep. Cultivation should be frequent and shallow. Disturbing the roots is harmful. Cultivate when bushes are perfectly dry.

## DWARF WAX OR BUTTER VARIETIES

**Keith's Wonder Wax.** Price, 5 lbs or over at 20c per lb; less quantity at 25c per lb; carriage charges extra. Postpaid—5 lbs or over at 25c per lb; 1 lb, 35c; ½ lb, 20c; 2 oz pkt, 10c. Our trials show it to be first in spring, the last in fall, stringless, free from rust, in fact the most satisfactory bean we had. Market gardeners find this a very profitable variety.

**Davis White Wax.** Price, 5 lbs or over at 20c per lb; less quantity at 25c per lb; carriage charges extra. Postpaid—5 lbs or over at 25c per lb; 1 lb, 35c; ½ lb, 20c; 2 oz pkt, 10c. Vigorous plants, pods 6 inches, sometimes longer and attractive. A crisp and tender snap bean when young. The dry beans are excellent for baking. Seed medium large, kidney shaped, clear white.

**Keith's Golden Wax.** Price, 5 lbs or over 18c per lb; less quantity at 25c per lb; carriage charges extra. Postpaid—5 lbs or over at 23c per lb; 1 lb, 35c; ½ lb, 20c; 2 oz pkt, 10c. We have sold this variety for over 40 years and our experience makes us recommend it for both market and home gardens.

**Hodson Wax.** Price, 5 lbs or over at 18c per lb; less quantity at 25c per lb; carriage charges extra. Postpaid—5 lbs or over at 23c per lb; 1 lb, 35c; ½ lb, 20c; 2 oz pkt, 10c. Strong plants with heavy crop. Later than Golden Wax or Davis Wax, making it fit in with these varieties for succession.

## DWARF GREEN PODDED VARIETIES

**Keith's Green Pod Stringless.** Price, 5 lbs or over at 20c per lb, less quantity at 25c per lb; carriage charges extra. Postpaid—5 lbs or over at 25c per lb; 1 lb, 35c; ½ lb, 20c; 2 oz pkt, 10c. Our experience with this variety has been such that we recommend it both for the home garden and for the market garden. It is early and a good keeper. Seed planted this season with us on July 15th began to produce pods September 15th and continued up till October 15th.

**Valentine.** Price, 5 lbs or over at 20c per lb; less quantity at 25c per lb; carriage charges extra. Postpaid—5 lbs or over 25c per lb; 1 lb, 35c; ½ lb, 20c; 2 oz pkt, 10c. Hardy, early, productive.

## POLE OR RUNNING VARIETIES

(1 lb to 75 hills)

**Golden Cluster Wax.** Price, 35c lb; carriage charges extra. Postpaid—50c lb; ½ lb, 30c; 2 oz pkt, 10c. In our trials this Bean showed splendid qualities. For a small garden a few hills would we think supply you with sufficient wax beans of the highest quality, using the least amount of space. We found it later than the Dwarf varieties, but the beans remained in condition for use for a long time. Use poles from 6 to 10 feet high.

**Scarlet Runner.** Price, postpaid, 75c lb; ½ lb, 50c; 2 oz pkt, 15c. Grow 10 to 12 feet high. Pods picked and cooked as a snap bean are delicious, also used as a vine for covering fences, etc.

## DWARF BROAD BEANS

**Burpee's Bush Lima.** Price, postpaid, 50c lb; ½ lb, 35c; 2 oz pkt, 10c.

**English Broad Windsor.** Price, postpaid, 1b, 50c; ½ lb, 35c; 2 oz pkt, 10c.

**BORECOLE OR KALE.** Price, oz, 20c; pkt, 5c. A member of the cabbage family which does not head up. The leaves are like giant parsley in appearance and are used principally for greens, cooked in the same way as spinach. Seed sown out of doors in May or June and cultivated as you would cabbage will give good plants in the fall. Freezing is supposed to improve the flavor.

**BRUSSELS SPROUTS.** Price, oz, 50c; pkt, 10c. It is a good plan to have some of this in every kitchen garden. Seed is generally started in the hot bed and planted out as early as possible, but we have seen very successful crops raised from planting outside in late April or early May. Cultivate the same as cabbage.



Crosby's Egyptian Beet

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## KEITH'S TABLE BEETS OF SUPERIOR MERIT

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Detroit Dark Red Beet

Beets are easy to grow. Plant seed on the level about 1 inch deep, rows 14 inches to 18 inches apart. Thin plants 3 inches to 5 inches interval. One ounce of seed for 40 feet of drill or 5 lbs to the acre. Sow from early spring for succession up till early August. Beets are ready generally in 60 to 70 days from seeding. For your crop for Winter storing sow about July 15th. This gives a medium sized beet in good condition late in the fall.

Seed can be started under glass about March 1st and transplanted out when 3 to 5 inches high. In this way beets are usually ready for market a week or 10 days earlier than the first planting in the open.

**Fireball.** Price, lb, 80c;  $\frac{1}{2}$  lb, 50c;  $\frac{1}{4}$  lb, 30c; oz, 15c; pkt, 5c.

We recommend this as the best all round garden beet. The color is rich dark red, it is globular in shape, and forces well. We plant it for main spring crop, summer crop and winter use.

**Crosby's Egyptian.** Price, lb, 80c;  $\frac{1}{2}$  lb, 50c;  $\frac{1}{4}$  lb, 30c; oz, 15c; pkt, 5c. Keith's strain of this excellent beet is bright vermilion

red, zoned with a lighter shade. This is one of the best for early planting out of doors and is much used by gardeners for bunching.

**Detroit Dark Red.** Price, lb, 90c;  $\frac{1}{2}$  lb, 50c;  $\frac{1}{4}$  lb, 30c; oz, 15c; pkt, 5c. Globe beet, small upright tops, smooth roots, tender and sweet. Grand canning variety.

**Edmond's Late.** Price, lb, 80c;  $\frac{1}{2}$  lb, 50c;  $\frac{1}{4}$  lb, 30c; oz, 15c; pkt, 5c. In our trials this variety always shows its good qualities. We find it the best keeper. A rock-like firmness when harvested.

**Swiss Chard or Spinach Beet.** Price, lb, \$1.00;  $\frac{1}{2}$  lb, 60c;  $\frac{1}{4}$  lb, 35c; oz, 15c; pkt, 5c. A splendid vegetable and one that gives more returns for the space used than any other. Grown chiefly for its broad white leaf stalks and mid-ribs, which are cooked and served in the same manner as asparagus. The leaves are also cooked like spinach. Plant and cultivate in the same manner as beet.

**500  
Trial  
Gardens  
of  
Keith's  
Seeds**

MESSRS. GEO. KEITH & SONS, Toronto.

CHATHAM, October 8th, 1920.

Dear Sirs,—No doubt you will be glad to hear that the Five Hundred Trial Gardens, carried on through the season of 1920, by the children on the Indian Reservations in the Province of Ontario were a great success, and the results most gratifying to the Department of Indian Affairs.

In the Five Hundred Trial Gardens for practical and competitive purposes the following varieties of Keith's Vegetable and Flower seeds were used.—

Fireball Beets, Chantenay Carrot, Yellow Globe Danvers Onion, Delicious Squash, Pie Pumpkin, Early Prize Muskmelon, Davis White Wax Beans and Giant Mixed Comet Asters.

The seeds proved in every trial to be true to the variety named and produced excellent quality of Vegetables and Flowers.

These trials were very beneficial and interesting to the small gardeners and their families.

Yours truly,

R. H. ABRAHAM,  
Agricultural Representative  
Dept. of Indian Affairs.



# KEITH'S QUALITY CABBAGE

For many years Cabbage seed has been a leading specialty with us. Our Cabbage seeds are all grown from selected plants of proven strains. We believe there is no seed that is more reliable nor any that can be more depended upon to give the grower satisfactory results.

Usually 90 to 100 days from sowing of seed until harvest.

One ounce will produce 1000 plants. One-half pound of seed will produce enough plants to plant an acre.

For Early Cabbage. Seed planted in hot-bed in February or March.

For Late Cabbage, sow seed in open in May or June.

For both Late and Early, transplant when plants are 6 inches high, allowing 18 to 24 inches each way. In our trials we get the best late cabbage when plants are set out about July 15th. The seed for these was sown about June 1st.

Good Seed and Thorough Cultivation will give results on almost any kind of soil.

Some growers, desiring to secure an early crop, take long chances with frost by planting out very early.



Copenhagen Market

**Copenhagen Market.** Price, per lb, \$3.50; ¼ lb, \$1.00; oz, 25c; pkt, 5c. Most market gardeners grow this variety and they invariably like it. It is a large round headed early cabbage. We consider it the best early cabbage to grow for the market. Our strain of this variety is very fine and was grown for us near the city from which it takes its name.

**Keith's Wakefield.** Price, per lb, \$2.50; ¼ lb, 75c; oz, 25c; pkt, 5c. A strain of this variety selected because it is the earliest and surest heading of first early cabbages for the market and the home. Pointed heads.

**Keith's Winningstadt.** Price, per lb, \$2.50; ¼ lb, 75c; oz, 25c; pkt, 5c. A hardy early cabbage. It seems to withstand cold, wet and insects exceptionally well. Besides being used for early crop many gardeners use it also for a late crop. Heads pointed shape.

**Flat Swedish.** Price, per lb, \$2.50; ¼ lb, 75c; oz, 25c; pkt, 5c. Large, solid, and a good shipper. A little earlier than the Ballhead.

**Keith's Danish Ballhead.** Price, per lb, \$2.50; ¼ lb, 75c; oz, 25c; pkt, 5c. The strain we have of this variety yields fine solid heads and will keep longer than any other cabbage. It is the best late variety we know.

**Glory of Enkhuizen.** Price, per lb, \$2.50; ¼ lb, 75c; oz, 25c; pkt, 5c. A large round headed cabbage, about two weeks later than the Copenhagen market. We have an exceptionally good strain of this fine cabbage raised for us in Denmark.

**Keith's American Drumhead, Savoy or World Beater.** Price, per lb, \$2.50; ¼ lb, 75c; oz, 25c; pkt, 5c. We recommend this Savoy as the best wrinkled leaf cabbage with which we have had experience.

**Red Danish Stonehead.** Price, per lb, \$3.50; ¼ lb, \$1.50; oz, 50c; pkt, 10c. Dark purplish red. Grows to a large size. Very solid and a splendid keeper.

**WITLOFF CHICORY OR FRENCH ENDIVE.** Price; ¼ lb, \$1.50; oz, 50c; pkt, 10c. Makes one of the most delicious of winter salads. Sow in the ground not later than June in drills 12 inches to 18 inches apart. Thin out the seedlings to about 4 inches. The plants are lifted in the fall and stored in sand until wanted for forcing. To force, plant upright in earth in the bottom of a barrel so that the roots are covered with damp earth. Put cover on top of barrel to keep out the light. Then place the barrel in a warm part of the cellar, temperature 60-70 degrees.

**CORN SALAD.** Price, oz, 20c; pkt, 5c. This is a small, quick growing plant for late fall, winter and spring use. The leaves are used as a substitute for lettuce and spinach. During August and September sow the seed in shallow drills about 1 foot apart covering with about one-fourth inch of fine soil firmly pressed down. On the approach of severe cold weather cover with straw or coarse litter. The plants will also do well if seed is sown very early in spring and like most salad plants are greatly improved if sown on very rich soil. 1 oz. will sow about 18 square feet.

**CHIVES.** Price, 40c. for 3 bunches of roots. Chives are very hardy perennial members of the onion family. They are grown for their tops. Planted in clumps in any garden soil, they grow readily and increase so as to render a division necessary. The tops appear very early and can be cut throughout the season, and used in salads and for flavoring, etc.

**CITRON. Red Seed.** Price, per lb, 80c; ¼ lb, 35c; oz, 15c; pkt, 5c. Same culture as melons. The best variety for preserves, striped and marbled with light green. Flesh white and solid. Harvest in fall and use as soon as possible or decay soon sets in. One ounce will plant about 25 hills.

**CRESS. Fine Curled.** Price, per lb, 40c; oz, 15c; pkt, 5c. Grows quickly and readily from seed sown thinly in shallow drills. Plant every two or three weeks. It makes a fine addition to lettuce in salads.

**CRESS, TRUE WATER.** Price, oz, 65c; pkt, 10c. The seeds may be started in pans or boxes and transplanted to banks of ponds and streams.

## READ WHAT PRACTICAL GROWERS HAVE TO SAY

GEO. KEITH & SONS,  
Toronto.

Dear Sirs,—We beg to report that all the seeds that we purchased from you proved to be very satisfactory, especially the cabbage and cauliflower seeds, which gave extraordinary results.

Please send your 1921 seed Catalogue at the earliest possible date, as we anticipate a larger order from you next year.

Yours truly,

(Signed) JNO. S. CAVERLY

Geo. Keith & Sons  
Toronto Canada

AYLMER, Ont., October 27th, 1920

GEO. KEITH & SONS,  
Toronto.

Dear Sirs,—As an amateur gardener I have been using your seeds for a number of years with the greatest satisfaction, both as to germination, quality of produce and distinction in type, everything being just as advertised.

Yours truly,

P. M. FARIS

AURORA, Ont.

Railway Freight prepaid on Maritime Province orders exceeding \$25.00, if purchaser remits 50c. extra for every hundred pounds ordered.

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# KEITH'S TABLE CARROTS AND CELERY



Keith's Selected Chantenay or Model Carrot

Few people realize that Carrots contain a very large amount of starch and sugar. They are easily grown, rarely if ever attacked by insects and are very rich in food value. You will get the full value out of this vegetable if you make three or four plantings, say three weeks apart, to afford a succession of tender roots. Make your first seeding as early as possible. In the hand-worked garden make rows 15 inches apart. For field work 24-inch rows are required to allow for horse cultivation. In heavy soil it is necessary to pay particular attention to the thinning. In light soil it is often best not to thin too carefully. Then the roots are not so liable to grow too large.

Sow 1 ounce to 100 ft. of drill, or 2 to 3 lbs. per acre. Cover one-half to one inch deep. See to it that the soil is pressed firmly above the seed. The seed takes considerable time to germinate and the seedlings are very slender and require careful cultivation until the crop is firmly established. Plant a few lettuce seed with carrot as a row mark so that cultivation can commence before the Carrot seed germinates.

Ready for the table in 70 to 90 days from day of planting.

Keith's Selected Chantenay or the Model. Price, per lb, \$1.00; ½ lb, 60c; ¼ lb, 35c; oz, 15c; pkt, 5c. This variety meets the wants of the market gardener and the home garden. The roots are symmetrical. The flesh is tender, fine grained, and free from hard core. It is a little earlier than the Danvers.

Keith's Early Scarlet Horn. Price, per lb, \$1.25; ½ lb, 80c; ¼ lb, 50c; oz, 15c; pkt, 5c. This variety meets the demand for early summer carrots and is used by a great many market gardeners.

Danvers Half Long. Price, per lb, 80c; ½ lb, 50c; ¼ lb, 30c; oz, 15c; pkt, 5c. A main crop carrot, originated with the gardeners of Danvers, Mass., U.S.A. Grown for its great productiveness and adaptability to all classes of soil. A second early.

Oxheart of Guerande. Price, per lb, 80c; ½ lb, 50c; ¼ lb, 30c; oz, 15c; pkt, 5c. If your soil is stiff and hard you will find this a good variety.

Half Long Scarlet Nantes Stump Rooted. Price, per lb, 80c; ½ lb, 50c; ¼ lb, 30c; oz, 15c; pkt, 5c. Its name describes it well. The core is very small. This variety is early.

White Intermediate Carrot. Price, per lb, 50c; ½ lb, 30c; ¼ lb, 20c; The best field carrot for stock feeding. The color is creamy white with light green crown

## KEITH'S CELERY

For early crop sow seed in hot beds during February or March. The young plants are set in rich soil as soon as large enough, or after the trees start out in leaf. See that the seed bed is kept moist until the seeds germinate

For Main Crop sow in the open ground in April and keep bed free of weeds. In June and July transplant to rows 3 feet apart and 6 inches apart in the rows. Cultivate between rows for 6 or 7 weeks. In August begin earthing up, to blanch, and press earth around each plant firm enough to keep leaves in uprightly position.

Use only well rotted manure, as fresh manure has a tendency to produce pithy or hollow stems. Lack of moisture will also have the same effect. Leaflet giving full cultural directions supplied on request.



Golden Self-Blanching Celery

## KEITH'S CELERY

Keith's Golden Self Blanching. Price, ¼ lb, \$3.00; oz, \$1.00; pkt, 25c. (Finest French grown seed). This is the best celery for both home and the market gardener. It is a self blanching sort, with a little banking or covering even the outer ribs assume a beautiful golden yellow. Many gardeners buy their seed one year ahead in order to test out the crop in a small way for their own satisfaction.

Keith's White Plume. Price, ¼ lb, 75c; oz, 25c; pkt, 10c. The stalks and portions of the inner leaves and heart are naturally white. Its eating qualities are equal to the very best, being crisp and solid.

Giant Pascal. Price, ¼ lb, 75c; oz, 25c; pkt, 10c. This is the standard variety for winter market. Color is rich dark green until earthed up, when stalks blanch to a deep golden yellow.



# KEITH'S CAULIFLOWER SEED

We find this delicious Vegetable nearly as easy to grow as cabbage, and most operations are similar, but always remember that Cauliflower will not head up well in hot, dry weather. It requires cool nights, therefore we recommend that you endeavor to plant so that maturity will come either before the hot weather sets in or not until the cooler weather of the Fall. It takes about 3 to 3½ months for this Vegetable to develop.

The early plantings should be in the green house or hot-bed in March. Transplant to cold frame when large enough to handle, then out to position in the open as soon as danger of hard freezing is over. The plants will endure a light frost.

Cultivate as you would cabbage.

The late plantings, sow at same time as for late cabbage. Sow in bed about June 1st, and transplant out into position July 1st to July 15th. Cultivate as you would cabbage. Rows should be 2½ to 3 feet apart, plants 1½ feet apart. As soon as heads begin to form tie the leaves together over the head to keep out the light. The plants are subject to insects. To prevent this sprinkle while wet, with tobacco, dust, ashes or slug shot.

One ounce of seed will furnish about 1000 plants.



Keith's Early Snowball Cauliflower

Keith's Early Snowball. Price, ¼ lb, \$9.00; oz, \$2.50; pkt, 25c. No better strain to be got no matter what claims are made, nor how high a price is asked. No variety produces deeper more solid heads of such excellent quality. It is compact in growth.

Early Dwarf Erfurt. Price, ¼ lb, \$9.00; oz, \$2.50; pkt, 25c. Characteristics and general quality much the same as Snowball. Danish Dry Weather. Price, ¼ lb, \$9.00; oz, \$2.50; pkt, 25c. Especially adapted to resist drought. Similar in growth to Early Erfurt.

Holds a Remarkable Reputation Among Market Gardeners.

Ask One!

STOUFFVILLE, Dec. 18th, 1920.

GEO. KEITH & SONS,  
Toronto.

Dear Sirs:—

I feel I owe it to you, to say that the Cauliflower Seed I got from you a year ago was first class. I had ½ lb of the best seed I could get from one of other seedsmen, but, the seed I got from you grew larger and stronger plants, and the heads were whiter and firmer.

Wishing you every success for the coming year. I am

Sincerely yours,

MORGAN BAKER.

Our Cauliflower seed is grown for us by specialists in this vegetable in Denmark and we know that our seed will produce as good a crop as any seed that can be bought. To secure results to our customers we have found it advisable to see the actual product of our cauliflower seed the year before we offer it for sale, as the seed is expensive and so much depends on its quality. What we offer gives high germination. Leaf-let with fuller cultural directions supplied on request.



Keith's Perfection Cucumber

## CUCUMBER

**For the Home Garden.** Plant 15 to 20 seeds, not over an inch deep, in each hill. Hills four to six feet apart each way. After plants begin to crowd and danger of beetle is over, thin to three plants to the hill. Cultivate frequently and shallow until runners prohibit it. Date of planting, May 15th to July 15th, at intervals for succession. One ounce of seed required for 50 hills. **For Field Work.** Plow furrows four feet apart and similar ones at right angles to the first. At each intersection drop a shovelful or more of manure, which should be well mixed with the soil. At these points plant the seed similar to method described above. Two to three pounds of seed required for an acre. **For Early Crop.** Start plants in boxes, pots or on a piece of sod (grass down) in house or hot-bed about March 15th to April 1st. Transplant to open ground in rich soil when danger of frost is over. Pick the fruit before it begins to ripen, as the vines will cease setting fruit as soon as any seed begins to mature.

**Keith's Improved Long Green.** Price, per lb, \$1.00; ½ lb, 60c; ¼ lb, 40c; oz, 15c; pkt, 5c. We sell more of this fine cucumber than any other variety. The young cucumbers make the best pickles. Full sized cucumbers 12 to 14 inches, slender, more or less warted, color dark green, flesh white and firm.

**Chicago, Pickling.** Price, per lb, \$1.00; ½ lb, 55c; ¼ lb, 30c; oz, 15c; pkt, 5c. This variety along with Keith's Improved Long Green is used extensively by those growers who make commercial pickles. This variety, we know is used almost exclusively by the large pickling houses.

**Japanese Climbing.** Price, per lb, \$2.00; ½ lb, \$1.25; ¼ lb, 75c; pkt, 5c. A distinct climbing sort for covering fences or trellises. Fruit 10 inches long, crisp and fine quality. Color dark green.

**Keith's Perfection.** Price, per lb, \$1.25; ½ lb, 75c; ¼ lb, 40c; oz, 15c; pkt, 5c. If you could examine all the varieties of cucumbers growing side by side, you would select this variety at once as being the most beautiful and shapely. The color is a very striking rich green. The shape is what you would expect of a perfect cucumber. It is as good as it looks, being early, a heavy cropper and of fine flavor. It retains its color and good qualities long after being picked. We recommend this variety for market gardeners and for the home garden.

**Other Standard Varieties.** Price, per lb, \$1.00; ½ lb, 55c; ¼ lb, 30c; oz, 15c; pkt, 5c. Keith's Grand Forcing Cucumber, Extra Early Klondyke Cucumber, Early White Spine Cucumber, Early Frame or Short Green Cucumber, Jersey Pickling Cucumber.



# KEITH'S DELICIOUS GARDEN CORN



Keith's Golden Bantam Sweet Corn

## PRICES OF ALL VARIETIES SWEET CORN

5 lbs. or over at 17c. per lb., less quantity at 25c. per lb., carriage charges extra. Postpaid—5 lbs. or over at 22c. per lb., 1 lb. 35c; ½ lb. 20c; 2 oz. pkt, 10c.

Excellent Sweet Corn can be raised on any good ordinary soil, if it is deeply and thoroughly worked before planting. Plant when danger of frost is past and soil warm, 1 to 2 inches deep. Early varieties can be ready for harvest 80 to 90 days from seeding. **Planted in hills**, 1 lb. to 100 hills. 12 lbs. to the acre. Hills 3 ft. apart each way for early varieties and 4 ft. apart each way for late varieties. Plant 4 to 6 kernels to the hill. When 6 inches high, thin to 3 or 4 plants to the hill. **Planted in rows**, 12 to 20 lbs. to the acre. Rows 2½ to 4 ft. apart, thin plants to 8 to 10 inches apart in the row.

**Cultivate often, thoroughly and shallow**, until tassels appear.  
**Keith's Golden Bantam.** We regard Golden Bantam Sweet Corn as the best early. It is 7 to 10 days later than Early Cory White Cob, but its superior quality and flavor make it well worth waiting for. In our trials last summer we had this corn ready on July 23rd.

**Keith's Early Cory White Cob.** Market gardeners buy this extra early for their first crop.

**Howling Mob.** Medium early. The stalks are of strong, vigorous growth, about 5 feet high, have abundant foliage. The ears run 7 to 9 inches long with 12 to 14 rows of good sized white kernels. We think it an improvement on Kendall's Giant.

**Black Mexican.** This corn when young cooks white, but the ripe grain is bluish black. Second early. For your own home garden its deliciousness and high quality make it just that "something extra."

**Keith's Stowell's Evergreen.** This variety and Golden Bantam are our best sellers. Stowell's Evergreen ears 8 to 9 inches long, 16 to 18 rowed, with a very deep sweet grain. Our strain of this variety is noted for its uniform deep grain, small cob and high quality.

**Bantam Evergreen.** A cross between Golden Bantam and Stowell's Evergreen, and a most excellent sort of fine quality. Ears 8 inches long, 12 to 14 rowed, matured between Bantam and Stowell's. Grain rather broad and deep and of a rich golden yellow color. We found that on rich soil this variety to be a great deal better than Golden Bantam. On poor soil the Golden Bantam gave the best crop.

**EGG PLANT.** New York Improved. Price, oz, 50c; pkt, 10c. Sow seeds in hot bed in March. When three inches high pot the young plants, using small pots, and plunge them in the same bed, so that the plants may become stalky. Plant out in the open ground in early June. Set plants 2 feet apart with rows three feet apart.

**ENDIVE.** Green Curled. Price, oz, 20c; pkt, 10c. For early crop sow seed in flats in the hot-bed or green-house. Transplant 1½ inches apart and finally plant in the garden 12 inches apart in the row. For the late crop the seed should be sown about the 1st of August, thinly in rows 12 to 16 inches apart and plants thinned to 6 inches apart. Treat as lettuce, except as the heads become large enough to use the leaves should be drawn up and tied at the top to blanch the heart and make it tender. Should be given plenty of water.

**KOHL RABI.** This vegetable is one of the best for eating. We think that all kitchen gardens should have at least a few. The seed should be sown in rows, the same as carrots or beets. Successional planting 10 days or 2 weeks apart gives the best results. Cultivate as for other root crops. Thin to 6 or 8 inches apart. Use when young and tender. Rich garden soil is best for this crop. Heavy soil will produce woody plants.

**Early White Vienna.** Price, oz, 20c; pkt, 5c.

**Purple Vienna.** Price, oz, 20c; pkt, 5c.

**LEEKs.** Seed is usually sown out of doors in rows 15 inches apart and the young plants thinned two to three inches apart. The crop should be handled a good deal the same way as onions. It is advisable to draw some earth up around the plants towards the end of the season.

**Musselburgh.** Price, oz, 30c; pkt, 10c. Very hardy. Leaves fan shaped and dark green.

MESSRS. GEO. KEITH & SONS,  
Toronto.

## WHAT THE PRACTICAL GROWER HAS TO SAY

"ELMCOTE",  
CLARKSON

Dear Sirs,—As a Fruit Grower and Market Gardener I might say I have used your seeds very extensively, and so I feel justified in one of my slack moments in writing a few lines to you asking you to take advantage of the fact that you have at least one satisfied customer, who would recommend such seeds as: Keith's Perfection Cucumber,—one on which every Market Gardener can rely, being a great blight resister, and its dark green color is very attractive to the eye making it the easiest seller of all, and I have grown a good many acres of them. Then there is your strain of Hodson's Kidney Wax Bean. The quality and yielding capabilities make it a sure money maker, and I have never known it to fail. Then I have also formed a good opinion of the Dwarf Garden Pea, Peter Pan. It yields heavier than any other variety I know, and we tested three kinds this year, Peter Pan, Gradus, Stratagem, and I advise every Market Gardener to grow all three with a preference for the two first named.

There are many other seeds I would like to mention, such as Keith's Improved Long Green Cucumber, that grand yielder, Keith's Prize-taker Mangel, I wouldn't be without, and your Stowell's Evergreen Corn which has never failed me, and in closing I might say I am looking forward to receiving once again your helpful Catalogue, so that I can forward my order early to receive satisfaction once again from the most reasonable priced firm of Seed Merchants in the city of Toronto. I remain,

Yours truly,

(Signed) H. A. LEAMON



# MUSHROOMS, - MUSTARD - PARSLEY - SPINACH

## KEITH'S LETTUCE SEED

Lettuce leaflet giving full cultural directions supplied on request. One ounce of seed will sow 150 feet of drill.

Varieties. There are two classes of lettuce. One forms head like cabbage, while the other produces loose leaves.

**Loose Leaved Varieties.** Best where lettuce is grown thick in the row as is often the case, also for lettuce in the hot weather, as the head lettuce has a tendency to run to seed, and for forcing in the green-house.

**Head Varieties.** For really fine lettuce use the head varieties. Better heads are got in the early summer and in the early fall.

Lettuce to be strong, crisp and tender should be grown rapidly; this is essential to attain high quality. The soil should be rich friable and moist. Attend well therefore to the preparation and

constant cultivation, and in dry times water. A light application of nitrate of soda sprinkled between the rows helps.

**Starting Under Glass.** An early crop may be secured by starting under glass, without much bottom heat, in February and March, and hardening off well, then set out as soon as the ground can be worked. The young plants will stand light frosts. Plant out short stocky plants for best results. Spindly plants usually are unsatisfactory.

**Outdoor Culture.** Sow as early in the spring as the ground can be worked in drills 18 inches apart, and thin young plants to 4 inches apart in the row. As plants begin to crowd, thin them out and use as required. For large heading varieties thin to 12 inches apart in the row. It is always advisable to make several plantings during the season, usually every two weeks.

### Prices of all varieties of Lettuce

1b, \$1.00; ½ lb, 60c;  
¼ lb, 40c; oz, 15c; pkt, 5c.

We Recommend  
our  
**GRAND RAPIDS**  
as the Best  
Loose Leaf  
Lettuce



Grand Rapids Lettuce

### Prices of all varieties of Lettuce

1b, \$1.00; ½ lb, 60c;  
¼ lb, 40c; oz, 15c; pkt, 5c.

Try Our  
**CRISP-AS-ICE**  
Superior  
Head  
Lettuce

### LOOSE LEAVED VARIETIES

Grand Rapids.  
Curled Simpson.

### HEAD VARIETIES

**New York.** Largest heading lettuce we know of.

**Improved Big Boston or Unrivalled.** Most popular for forcing and for planting in the open ground.

**May King.** Earliest of head lettuces. The plant is small, nearly all head.

**Crisp as Ice.** Best head lettuce for summer use, and stands for a long time without running to seed.

**Nonpareil.**

**Tom Thumb.** Heads are very small, but compact. Leaves break off like cabbage. Our experience shows it is the surest to head in this climate.

**Trianon Cos or Celery Lettuce.** Self folding. When well grown on moist land is an outstanding and valuable variety.

**MUSHROOMS.** If you require information about the culture of mushrooms we would advise you to write the Central Experimental Farm, Dominion of Canada for pamphlet No. 22.

**Keith's Mushroom Spawn.** Price, per brick, 30c; postpaid, 50c. This is the best that money can buy.

**MUSTARD.** Price, per lb, 75c; oz, 15c; pkt, 5c. Seed planted in rows 12 to 14 inches apart. Sow seed somewhat thicker than lettuce early in the spring with successional plantings every two weeks. The tender young leaves are used for salad purposes and later for greens the same as spinach. Market gardeners plant this inside or in frames during the winter similar to cress.

**PARSLEY.** Market Gardeners Best. Price, per lb, 85c; ½ lb, 50c; ¼ lb, 30c; oz, 15c; pkt, 5c. Sow seed thickly early in the spring in rows one foot apart and ½ inch deep. As the seed is slow in germination, 3 to 4 weeks, it is rather a good idea to plant with the seed a few lettuce seeds to mark the rows and break the crust.

**SPINACH.** One ounce to 50 feet of drill. 12 lbs. to the acre. Sow in drills 1 foot apart, 1 inch deep, as early as the ground can be worked and every two weeks for succession. Thin to 6 inches apart when leaf is 1 inch wide. Use when young and tender. Light applications of nitrate of soda often help this crop.

**Extra Large Leaved or Giant Flanders.** Price, per lb, 50c; ½ lb, 35c; ¼ lb, 25c; oz, 15c; pkt, 5c.

**New Zealand.** Price, oz, 25c; pkt, 10c. Unlike above variety in type and that it thrives during hot weather and grows in any soil rich or poor. The plants grow large and spreading and produces abundance of leaves. The young leaves are picked and separated from the stems. Plant 4 to 5 seeds in each hill. Hills 2 feet apart each way. Early in the spring.



# MUSK MELONS, WATER MELONS, PARSNIPS, SALSIFY



Extra Early Prize Musk Melon



Sandwich Island Salsify

Large Bell or Bull Nose. Price, oz, 50c; pkt, 10c. A large, early, bright red variety.  
Large Red Cayenne. Price, oz, 50c; pkt, 10c. Too late for northern parts of our country.

## SEED POTATOES

Observe that prices quoted are present prices only. If we can possibly fill your order at these prices we will do so.

Where our Prepay Freight clause applies, we reserve the privilege of dividing up the orders that include potatoes into two shipments, as most seeds are required long before it is advisable to ship potatoes. If each part aggregates 180 lbs. or more in weight we will pay freight on both shipments. If, however, one of the shipments will be less than 180 lbs. we will pay the freight on one shipment only.

We are endeavoring to secure some seed registered by the Government of the varieties of Cobbler and Green Mountain. If you are interested in the very best, as most market gardeners are, write for prices.

**Irish Cobbler.** Present price per bag, \$4.00. When this variety is kept up, and a selection made of a strain that is true to type and that is free from disease a splendid early crop of fine, white skinned potatoes will be the result. Stock offered herewith is selected, clean, medium to large potatoes.

Ordinary stock. Present price, \$3.50.

**Green Mountain.** A large, handsome, oval white potato. One of the finest eating potatoes known to the trade.

Selected stock. Present price per bag, \$4.00. Ordinary stock. Present price per bag, \$3.50.

**Early Rose.** Present price per bag, \$4.00. A very popular early potato. The potatoes are long shaped and light red in color, with shallow eyes. They yield well and quality is of the best.

## MUSK MELON

Leaflet giving full cultural directions supplied on request.

One ounce will plant about 70 hills; 3 lbs. per acre.

If you make a hobby or business of getting the best results with muskmelons and water-melons we would advise that you send to the Department of Agriculture, Ottawa, for pamphlet No. 26 on Melon culture.

**Culture in the Open.** Sow in light, rich soil, after it has become warm and dry, in hills 6 to 7 feet apart, and a dozen or more seeds in a hill. A few days after the seed is sown, and just before the plants break through the ground, poisoned bran in the proportion of one part Paris Green to 50 parts bran should be sprinkled over the hill. This is to kill cutworms. When danger of cutworms is over, thin plants to three of the strongest to each hill. From now on cultivate thoroughly. The vines may be moved to cover the ground best with least crowding. Muskmelons when ripe break easily from the vine.

**Keith's Extra Early Prize.** Price, per lb, \$1.30; ½ lb, 75c; ¼ lb, 40c; oz, 15c; pkt, 5c. This is a medium-sized melon. The flesh is light green in color, except next to the seeds, where it inclines toward yellow. The flavor is fine. The skin is green ribbed and netted. It is a firm solid melon and will carry in perfect condition for several days after its removal from the vine. It is a heavy cropper and is absolutely the earliest of all muskmelons. Our customers buy more of this than any other variety.

**Paul Rose or Petoskey.** Price, per lb, \$1.15; ½ lb, 70c; ¼ lb, 40c; oz, 15c; pkt, 5c. An oblong melon. Fruit deep green, slightly ribbed and fairly netted. Flesh of high quality and very thick, deep salmon color. It is early, but not so early as the Extra Early Prize.

**Rocky Ford.** Price, per lb, \$1.15; ½ lb, 70c; ¼ lb, 40c; oz, 15c; pkt, 5c. We have an improved strain of this popular melon. The fruit is small, almost round, smooth, showing no ribs and densely covered with a heavy hard gray netting. Flesh thick and deep green.

**Improved Montreal Nutmeg Melon.** Price, per oz, 25c; pkt, 10c.  
The largest and most noted muskmelon in cultivation.

**Hackensack Extra Early.** Price, per lb, \$1.15; ½ lb, 70c; ¼ lb, 40c; pkt, 5c. Flesh light green, delicate flavor.

## WATER MELONS

**Culture.** Treat the same as muskmelon. One ounce will plant about 50 hills.

**Coles Early.** Price, per lb, 75c; ½ lb, 40c; ¼ lb, 25c; oz, 15c; pkt, 5c. This is the first water-melon for the Canadian family garden, and it is the earliest we have had experience, with.

**Kleckly's Sweet.** Price, per lb, 75c; ½ lb, 40c; ¼ lb, 25c; oz, 15c; pkt, 5c.

**Ice Cream or Peerless.** Price, per lb, 75c; ½ lb, 40c; ¼ lb, 25c; oz, 15c; pkt, 5c.

## PARSNIP

Sow seed early in the spring in rows 15 to 16 inches apart in hand worked gardens and 24 to 30 inches apart for horse cultivation. The seed is usually slow in germinating and it is a good plan to sow a few radish or lettuce seeds with the parsnip seed to mark the rows for early cultivation. Thin plants to 4 inches apart in row. Watch your plantings carefully and see if a good catch is secured. If not plant again. A good crop in suitable soil will be yours from seed planted even up to July. Roots take about 100 days to develop. One ounce to 100 feet of drill.

**Keith's Improved Hollow Crown Parsnip.** Price, per lb, 75c; ½ lb, 50c; ¼ lb, 30c; oz, 15c; pkt, 5c

## SALSIFY OR OYSTER PLANT

One ounce to 60 feet of row. 10 lbs. per acre. Soil, seed ing, culture and storing same as the parsnip.

**Sandwich Island Salsify.** Price, per lb, \$1.50; ½ lb, 85c; ¼ lb, 50c; oz, 20c; pkt, 5c.

## PEPPERS

Plants had best be started early in March and should receive practically the same attention as tomatoes. Set out into the field when all danger from frost is over. Rows 2 feet apart, allow 1 foot between plants.



Keith's Improved Hollow Crown Parsnip



# KEITH'S SURE CROP ONION SEED

**Culture.** Sow 1 oz. for 100 feet of drill. 6-7 lbs. to the acre; 30 lbs. to the acre for picklers; 60 to 80 lbs. per acre for sets. The onion to mature properly should have an abundance of plant food in the soil to force early growth. The seed should be sown just as soon as the soil can be worked. The earlier the better, in rows 15 to 18 inches apart, seed to be covered not more than  $\frac{1}{4}$  inch deep and soil firmed over the seed. The plants should be thinned to 1 inch apart and these as they develop may be taken out for use, leaving the bulbs for maturing 2 inches apart. The reason for thicknecks and late maturing of this crop is that the growth has not been forced early and this can be overcome only by early seeding and an available food supply early in the spring.

Market gardeners often start the seed in flats in the house in February or early March, and harden off for setting out early in May, spacing them 4 inches apart in the row. Plants when set out should be 6 inches to 8 inches high. This method takes more labor at the start, but a great saving is made in the field work later on and the quality and size of the crop is better.



Southport Yellow Globe Onions



Onion Sets

**Keith's Giant Yellow Prizetaker.** Price, 5 lbs. or over at \$1.50 per lb; 1 lb, \$1.65;  $\frac{1}{2}$  lb, \$1.00;  $\frac{1}{4}$  lb, 60c; oz, 20c; pkt, 5c. One of the largest onions grown and the mildest, is productive and a sure cropper. Bulbs are globe shaped and of light straw color. Our seed is American grown and very superior. Used for transplanting.

**Keith's Yellow Globe Danvers.** Price, 5 lbs. or over at \$1.50 per lb; 1 lb, \$1.65;  $\frac{1}{2}$  lb, \$1.00;  $\frac{1}{4}$  lb, 60c; oz, 20c; pkt, 5c. Market gardeners all over Canada know what fine onions our strain will produce. We sell more seed of this variety than of any other. It is a very dependable onion to grow. It is almost devoid of thick necks and is always a heavy yielder, has an excellent color, and because of its small neck cures well and makes a splendid storage stock.

**Southport Yellow Globe.** Price, 5 lbs. or over at \$1.50 per lb; 1 lb, \$1.65;  $\frac{1}{2}$  lb, \$1.00;  $\frac{1}{4}$  lb, 60c; oz, 20c; pkt, 5c. Similar to Yellow Globe Danvers. It is a strain that has been selected for its globular form. The flesh is white, crisp and mild.

**Southport Red Globe.** Price, per lb, \$2.00;  $\frac{1}{2}$  lb, \$1.25;  $\frac{1}{4}$  lb, 75c; oz, 25c; pkt, 10c. A very fine strain of Red Onion.

**Southport White Globe.** Price, per lb, \$2.65;  $\frac{1}{2}$  lb, \$1.50;  $\frac{1}{4}$  lb, 90c; oz, 25c; pkt, 10c. Flesh is very crisp, fine grained and snowy white in color and exceedingly mild.

**White Portugal.** Price, per lb, \$2.65;  $\frac{1}{2}$  lb, \$1.50;  $\frac{1}{4}$  lb, 90c; oz, 25c; pkt, 10c. A mild pleasant white onion of somewhat flattened shape when matured, but globular when sown thickly for sets or pickling. Market gardeners use it for a bunching onion. It is a good keeper and makes good white sets.

**Keith's White Barletta Pickling.** Price, per lb, \$2.65;  $\frac{1}{2}$  lb, \$1.50;  $\frac{1}{4}$  lb, 90c; oz, 25c; pkt, 10c. A very fine small white onion. It is the quickest onion from seed. Fine for bunching. Sown largely for pickling. Grows about as quickly as radish.

**Keith's Large Red Wethersfield.** Price, 5 lbs. or over at \$1.50 per lb; 1 lb, \$1.65;  $\frac{1}{2}$  lb, \$1.00;  $\frac{1}{4}$  lb, 60c; oz, 15c; pkt, 5c. It keeps better than any variety we know of with the exception of the Australian Brown.

**Australian Brown.** Price, per lb, \$1.65;  $\frac{1}{2}$  lb, \$1.00;  $\frac{1}{4}$  lb, 60c; oz, 15c; pkt, 5c. Medium size, good quality, very early and the best keeper. Splendid for northern districts. Makes good sets.

**Yellow Strasburg.** Price, per lb, \$1.65;  $\frac{1}{2}$  lb, \$1.00;  $\frac{1}{4}$  lb, 60c; oz, 15c; pkt, 5c. Best variety for sets.

**Denia.** Price, per lb, \$5.00; oz, 75c; pkt, 25c. Several market gardeners, government and experimental stations have been working with this strain for the last 5 or 6 years. They start it inside and transplant. It is a fine large yellow onion of mild flavor. At the Canadian National Exhibition it has been the outstanding onion for at least the last three years.

**White Welsh.** Price, per lb, \$3.00;  $\frac{1}{2}$  lb, \$1.75;  $\frac{1}{4}$  lb, \$1.00; oz, 20c; pkt, 10c. Forms no bulbs. Used for bunching. Plant in July and August.

## ONION SETS

### PRESENT PRICES

For green onions 1 lb. will plant about 25 feet of drill. For large onions 1 lb. for 50 feet of drill. Sets will produce green onions in half the time it takes to raise them from seed. By planting sets a saving of 4 to 6 weeks is made in producing large onions over the planting of seed.

**Yellow Dutch Sets.** Price, 50 lbs. or more at 10c. per lb., carriage charges extra. 5 lbs. or more at 13c. per lb., carriage charges extra; 1 lb. or more at 20c. per lb., carriage charges extra. Postpaid—1 lb. at 35c. per lb; 5 lbs. or over at 18c. per lb.

**White Dutch Sets.** Price, 50 lbs. or more at 12c. per lb, carriage charges extra; 5 lbs. or more at 15c. per lb, carriage charges extra; 1 lb. or more at 25c. per lb, carriage charges extra. Postpaid—1 lb. at 40c. per lb; 5 lbs. or over at 20c. per lb.

**Shallots.** Price, 10 lbs. or over at 12c. per lb, carriage charges extra; 1 lb. or over at 15c. per lb, carriage charges extra. Postpaid—35c. per lb.

**Garlic Sets.** Postpaid—50c. per lb.



# KEITH'S GARDEN PEAS



Keith's Gradus Peas

GOOD TO  
LOOK AT  
  
BETTER  
TO EAT

R. R. No. 1, HORNBY, Ont.,  
October 25th, 1920

GEO. KEITH & SONS,  
Toronto, Ont.

Dear Sirs,—Found all the seeds I purchased from you last Spring very reliable, both as to fertility and true to name. Have had good success from them, in fact have always found your seeds to be just what you represented.

Yours sincerely,

(Signed) W. J. CARTER

During the war it was not always possible to secure the quality of stock that we like to send out. This year, however, we have the quality and we know that better seed cannot be purchased, regardless of price.

The peas which we offer have been grown by experts with years of experience, and they are true to type, bright, clean sound seed, showing strong germination. Peas are considered by most to be the tastiest vegetable they can raise in the garden.

For early peas the soil should be light and warm. For general crop a moderately heavy soil is better.

Where there is plenty of room we would plant all varieties comparatively early, depending for succession upon selecting sorts that follow each other, but many make plantings up to July 1st.

**Quantity to Sow.** Very few people sow enough peas. For a family of five or six people and a liberal supply you would require your plot for all varieties to be about 30 feet by 30 feet. This would take about 2 to 3 lbs. 1 lb. plants 100 feet of drill, 2 bushels for an acre.

The wrinkled varieties are more sensitive to cold wet weather than the smooth sorts, and if ground is wet and cold are more liable to rot.

Plant the Alaska very early, in double rows 6 inches apart and 2½ feet to 3 feet between the double rows. This variety is valuable especially for its earliness and hardiness. These can be sown while some frost is in the ground.

Plant the wrinkled varieties in double rows 6 to 8 inches apart and 2 to 3 feet between the double rows. The tall varieties do better with supports, in very rich garden soil.

The Alaska is ready for use in about 60 to 70 days from planting.

The later varieties in 70 to 85 days.

**Alaska.** Price, 5 lbs. or over at 13c. per lb; less quantity at 20c. per lb. Carriage charges extra. Postpaid—5 lbs. or over at 18c. per lb; 1 lb. 35c; ½ lb, 20c; 2 oz. pkt, 10c. Earliest of all. Height 2 feet. Seed round, smooth and blue.

**Thos. Laxton.** Price, 5 lbs. or over at 25c. per lb; less quantity at 30c. per lb. Carriage charges extra. Postpaid—5 lbs. or over at 30c. per lb; 1 lb, 45c; ½ lb, 25c; 2 oz. pkt, 10c. We find it much the same as the Gradus.

**American Wonder.** Price, 5 lbs. or over at 25c. per lb; less quantity at 30c. per lb. Carriage charges extra. Postpaid—5 lbs. or over at 30c. per lb; 1 lb, 45c; ½ lb, 25c; 2 oz. pkt, 10c. Extra early, dwarf wrinkled, height 1 foot.

**Dwarf Defiance.** Price, 5 lbs. or over at 30c. per lb; less quantity at 35c. per lb. Carriage charges extra. Postpaid—5 lbs. or over at 35c. per lb; 1 lb, 45c; ½ lb, 25c; 2 oz. pkt, 10c. Large podded wrinkled variety. Height 2 feet. Pods similar to Peter Pan, but it is a week to 10 days later.

**Peter Pan, or Blue Bantam.** Price, 5 lbs. or over at 30c. per lb; less quantity at 35c. per lb. Carriage charges extra. Postpaid—5 lbs. or over at 35c. per lb; 1 lb, 45c; ½ lb, 25c; 2 oz. pkt, 10c. A splendid large podded, wrinkled dwarf variety. Height 15 to 18 inches. Pods 4 inches long. In our trials we found this to be an outstanding variety. The very best for the private garden. That "something extra" that you are looking for.

**Dwarf Telephone.** Price, 5 lbs. or over at 25c. per lb; less quantity at 30c. per lb. Carriage charges extra. Postpaid—5 lbs. or over at 30c. per lb; 1 lb, 45c; ½ lb, 25c; 2 oz. pkt, 10c. A market garden variety. Height 2½ feet. Pods 4½ inches long. A second early.

**Little Marvel.** Price, 5 lbs. or over at 25c. per lb; less quantity at 30c. per lb. Carriage charges extra. Postpaid—5 lbs. or over at 30c. per lb; 1 lb, 45c; ½ lb, 25c; 2 oz. pkt, 10c. Dwarf, especially suited for home gardens. Height 1 foot.

**Stratagem.** Price, 5 lbs. or over at 25c. per lb; less quantity at 30c. per lb. Carriage charges extra. Postpaid—5 lbs. or over at 30c. per lb; 1 lb, 45c; ½ lb, 25c; 2 oz. pkt, 10c. Height 2 feet. A fine main crop variety for market gardeners.

**Gradus or Prosperity.** Price, 5 lbs. or over at 25c. per lb; less quantity at 30c. per lb. Carriage charges extra. Postpaid—5 lbs. or over at 30c. per lb; 1 lb, 45c; ½ lb, 25c; 2 oz. pkt, 10c. Large podded, wrinkled variety. Height 2½ feet. We sell more of this variety than any other.

**Graden Peas.** Price, 5 lbs. or over at 15c. per lb; less quantity at 20c. per lb. Carriage charges extra. Postpaid—5 lbs. or over at 20c. per lb; 1 lb, 30c. This is a lot of wrinkled peas, grown by a farmer, who was not sure of the variety. On this account we can offer it at a reduced price. Those growing for market in large quantities will find these to be a great saving in seed cost, and will also find that they will have abundance of splendid green peas.



# RADISH

# PUMPKIN

# SQUASH



White Icicle Radish



Keith's Scarlet Globe Radish



Keith's Improved Hubbard Squash



Summer Crookneck Squash

## RADISH

One ounce to 100 feet of row. 8 to 10 lbs. to the acre. 30 to 40 days from seeding to maturity. Quick growth is essential to get the desired quality. This means rich soil and plenty of moisture. Some gardeners avoid planting radishes on ground where cabbage, turnip or radish had been grown the previous season, as a preventive measure against root maggots. Start plantings as early as possible. Successful crops have been raised by even sowing broadcast on the top of the snow in spring, and after crop removed same ground cropped with potatoes or corn. Usually plant in rows 8 to 10 inches apart. Successional plantings can be made every two weeks up till September. In the hot summer moist cool soils or shade are required. Sow winter varieties in July and August. They do best like turnips in the late autumn.

**Keith's Scarlet Turnip White Tipped Radish.** Price, \$1.00 per lb; ½ lb, 60c; oz, 15c; pkt, 5c. Our experience in testing all varieties of radish, shows this to be the best early, either for forcing or sowing in the open. Color, bright scarlet tipped with white. We sell more of this variety than all the other varieties put together.

**Keith's Scarlet Globe.** Price, per lb, \$1.00; ½ lb, 60c; oz, 15c; pkt, 5c. Similar to above with exception of white tip. Possibly throws a larger radish.

**French Breakfast.** Price, per lb, \$1.00; ½ lb, 60c; oz, 15c; pkt, 5c. Olive shaped. Scarlet with white tip.

**White Icicle.** Price, per lb, \$1.00; ½ lb, 60c; oz, 15c; pkt, 5c. Best pure white. Crisp and tender when young, remaining in condition for use a considerable time. However, successional plantings are required for high quality.

### WINTER VARIETIES

**China Rose.** Price, per lb, \$1.00; ½ lb, 60c; oz, 15c; pkt, 5c. Olive shaped, red. One of the best.

**Round Black Spanish.** Price, per lb, \$1.25; ½ lb, 75c; oz, 15c; pkt, 5c. Flesh, firm and white.

**Long Black Spanish.** Price, per lb, \$1.25; ½ lb, 75c; oz, 15c; pkt, 5c. Flesh, firm and white.

## SQUASH

The squash is one of the most nutritious and valuable vegetables. The summer varieties are ready for the table early in the summer and the fall and winter sorts can be had from August until the following spring. Plant seed in extra fertile soil, in settled warm weather. The vining varieties in hills 8 to 10 feet apart each way and the bush varieties 4 to 5 feet. When plants are well started thin out to 3 plants to the hill. Squash can be grown satisfactorily with corn. Follow the method recommended for pumpkin. 1 oz. seed for 25 hills. Running varieties four pounds per acre; Bush varieties six pounds per acre.

### AUTUMN AND WINTER VARIETIES

**Keith's Improved Hubbard.** Price, per lb, \$1.50; ½ lb, 80c; ¼ lb, 45c; oz, 15c; pkt, 5c. Our strain is the finest grown. The vines are strong and of running growth. Fruit dark green.

**Delicious.** Price, per lb, \$1.50; ½ lb, 80c; ¼ lb, 45c; oz, 15c; pkt, 5c. Medium size. Vines of running growth. Very fine flavor. For private garden select this variety.

### SUMMER VARIETIES

**Golden Hubbard.** Price, per lb, \$1.50; ½ lb, 80c; ¼ lb, 45c; oz, 15c; pkt, 5c. Like the Green Hubbard, but is earlier, and has a golden shell. Running variety.

**Long White Bush.** Price, per lb, \$1.90; ½ lb, \$1.00; ¼ lb, 60c; oz, 20c; pkt, 5c. Bush growth. This is the earliest of the summer squashes. The skin white, flesh tender and good quality.

**Golden Summer Crook Neck (Bush).** Price, per lb, \$1.50; ½ lb, 80c; ¼ lb, 45c; oz, 15c; pkt, 5c. We like this variety the best of the early squashes. Fruit about a foot long. Use before the shell gets hard. It is very productive.

**Vegetable Marrow.** Price, per lb, \$1.90; ½ lb, \$1.00; ¼ lb, 60c; oz, 20c; pkt, 5c. A delicious English variety. Bush type. Skin greenish white. Flesh white, soft and of good flavor.

## PUMPKIN

One ounce of seed will plant 25 hills. Four pounds per acre. Plant in June. This crop can be grown as a companion crop for corn. Plant in hills in every fourth row of corn. Have the hills 10 feet apart. When the vines begin to run, when cultivating omit these rows, otherwise the vines will be injured. In some districts it is considered the thing to plant this crop in the orchard among the trees, hills 10 feet apart each way. Cultivate shallow.

**Keith's Pie Pumpkin.** Price, per lb, 50c; ½ lb, 30c; oz, 15c; pkt, 5c. A fair sized pumpkin, sweet and of good quality.



# KEITH'S DEPENDABLE TOMATO SEED

## TOMATO

Sow the seeds in hot-bed or a warm sunny place in the house in March or early April. For strong plants it is best to transplant them when 2 inches high, allowing 4 inches each way, then when danger of frost is past transplant to open ground. If using stakes have plants 12 to 18 inches apart, with rows 3 feet apart. If not staking set plants out 4 feet apart each way.

**Keith's Alacrity.** Price, oz, \$1.00; pkt, 25c.

Our strain of this variety is undoubtedly the very best and earliest of all tomatoes. It originated at the Central Experimental Farm, Ottawa and is the result of a number of years very careful selection. The fruit is round and deep with a good rich red color, flesh firm and of excellent quality, with very few seeds. It is a good bearer. This is Canadian grown seed.



Keith's Alacrity Tomato

**Alacrity.** American grown seed. Price, ¼ lb, \$1.25; oz, 40c; pkt, 10c.

**Keith's Earliana.** Price, ¼ lb, \$2.00; oz, 75c; pkt, 25c. For the last four years a selection of Earliana has been made of the earliest and best cropping plants. This necessarily means higher cost of production. We can assure you that it is worth the difference.

**Spark's Earliana.** Price, ¼ lb, \$1.00; oz, 30c; pkt, 10c. Very productive and extra early. Fruit of fair size, round, smooth and solid.

**Bonny Best.** Price, ¼ lb, \$1.00; oz, 30c; pkt, 10c. Midway between Earliana and Chalk's Jewel for earliness. Heavy cropper of fine clean fruit.

**Chalk's Early Jewel.** Price, ¼ lb, \$1.00; oz, 30c; pkt, 10c. From seeds planted at the same time and with plants grown under the same conditions. Early Jewel is only about one week later in ripening the first fruits than Spark's Earliana, while it is a much more desirable variety in many ways. The plants are of strong, robust growth, and ample foliage to protect the fruit from sun scald, and the foliage is not subject to blight. The fruit is bright scarlet and of finest quality for table use. Very prolific.

**The Stone.** Price, ¼ lb, \$1.00; oz, 30c; pkt, 10c. The best main crop variety. A bright scarlet perfectly smooth tomato. Always dependable. Very vigorous and productive.

**John Baer.** Price, ¼ lb, \$1.00; oz, 30c; pkt, 10c. Medium early. Vigorous grower.

**Carter's Sunrise.** Price, oz, \$2.25; pkt, 25c. A great favorite in the private garden. Fruit grows in clusters like grapes. Originally a hot-house tomato in England. Requires to be staked and well pruned.

## GOOD RESULTS FROM KEITH'S QUALITY SEEDS.

MESSRS. GEO. KEITH & SONS, WHEATLEY P.O.  
Toronto. ESSEX, ONTARIO.  
Oct. 18th, 1920.

Dear Sirs:—

I am pleased to say that the seeds I purchased from you last Spring have given exceptionally good results, both in field and garden, and have turned out as described and in a few cases a little better. I begrudged the price of Potato Seed at time of purchase, but got my money back off the first seven bags. The crop is the best I have ever raised.

Please place my name on your mailing list for next Spring.

Yours very truly,

(Signed) R. MacKAY.

## TURNIPS

Turnips grown in the garden are of superior quality and growers aim to secure a crop of medium sized roots of fine flavor. To do this their growth should be rapid. Plant for early crop as early as possible, and late crop up to the end of July. Sow seed in drills 15 inches apart. Thin to 3 to 4 inches apart. Make 2 or 3 seedings at two weeks' intervals.

**Extra Early White Milan.** Price, per lb, \$1.75; oz, 15c; pkt, 5c. Very early, white, tender and sweet.

**Golden Ball (Orange Jelly).** Price, per lb, \$1.75; oz, 15c; pkt, 5c. Medium size. The best of the yellow-fleshed turnips. Flesh of excellent quality.

## HERBS

**Culture.** Herbs delight in rich, mellow soil. Sow seed early in spring in shallow drills one foot apart, thin out or transplant. They should be cut on a dry day just before they come into blossom. Tie in bunches and hang up to dry. Those marked with a star (\*) are perennial.

**Anise.** For garnishing and flavoring. Price, pkt, 5c; oz, 20c.

**Caraway.** Price, pkt, 5c; oz, 15c.

**Coriander.** Seeds are aromatic. Price, pkt, 5c; oz, 15c.

**Dill.** For dill pickles. Price, pkt, 5c; oz, 15c.

\***Fennel.** Used in sauce. Price, pkt, 5c; oz, 15c.

\***Horehound.** Price, pkt, 5c; oz, 40c.

\***Lavender.** Price, pkt, 5c; oz, 55c.

\***Marjoram.** Leaves used green in summer and dried in winter for flavoring. Price, pkt, 10c; oz, 75c.

\***Sage.** Leaves used for seasoning. Price, pkt, 10c; oz, 75c.

**Summer Savory.** Price, pkt, 10c; oz, 75c.

**Thyme.** Price, pkt, 5c; oz, 50c.

\***Winter Savory.** Price, pkt, 10c; oz, \$1.00.

**Wormwood.** Price, pkt, 5c, oz, 50c.

## TO OUR OLD CUSTOMERS

We hope you have had a good season. You sent us a nice order last year, we can assure you we appreciated it. We hope for many years of pleasant business between us.

The orders we value most are the ones from you people who have been in before and have come back again; you did this because you were suited. Send along your order early and speak a good word for us to your neighbor. It does more good than all the advertising we can do. We would do as much for you anytime.

Yours truly,

GEO. KEITH & SONS



# STRAWBERRIES - RASPBERRIES - RHUBARB



## STRAWBERRIES

Glen Mary Strawberries

Prices all varieties Strawberries listed herewith \$13.00 per 1000; \$1.50 per 100; carriage charges extra. Postpaid—\$2.00 per 100; 45c. per doz.

**Westney.** Early Variety. This is a cross between the Williams and Glen Mary. The plant is ideal in growth with large dark green foliage. Berries run larger than most varieties, and ripen early. We recommend this variety.

**Brandywine.** Late Variety. A well known late variety of excellent quality. Makes a moderate number of large healthy plants. For home garden and canning purposes it is hard to beat.

**Williams.** Midseason Variety. As a commercial berry it is hard to find an equal. A great cropper and splendid shipper. The white tip on the end of this berry disappears when fully ripe.

**Glen Mary.** Late variety. This great berry is termed by the Ottawa Experimental Station as one of the most popular commercial varieties. Its plant growth protects the berries well. Berries are large, firm, juicy and of good quality. In some sections of Ontario this variety is planted almost exclusively.

**William Belt.** Midseason variety. This variety has been considered the standard of quality for years. Makes a fair stock of healthy plants, which bear a heavy crop. The berries are large in size and somewhat irregular in shape. Orders sent out after April 15.

## RED RASPBERRIES

**Cuthbert.** (Queen of the Market). Price, per 100, \$6.00; carriage charges extra. Postpaid—Doz, \$1.50. The best known of all red raspberries, and also the most popular. A strong grower, producing a good crop of firm berries, which makes it a splendid shipping variety. Hardly hardy enough for the extreme northern sections of New Ontario.

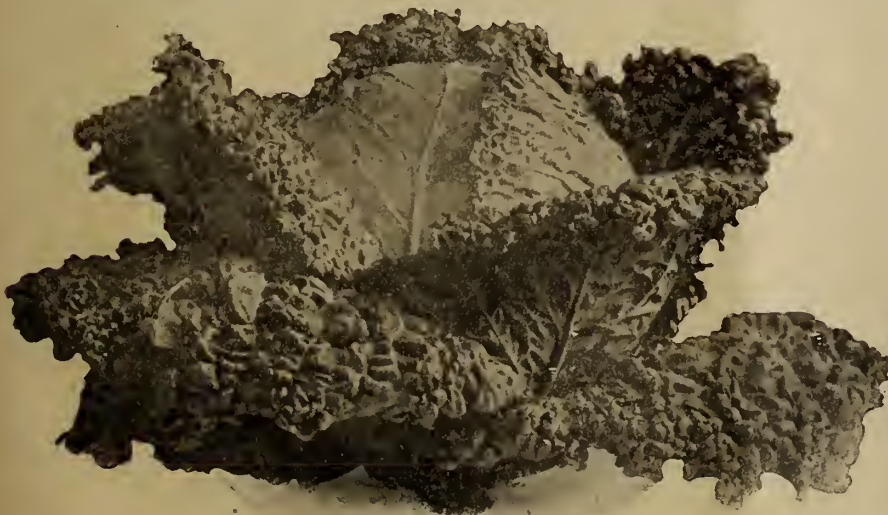
## RHUBARB

This plant is valuable in every garden. It succeeds best in deep somewhat retentive soil. The richer this is and the deeper it is stirred the better. Sow in drills an inch deep and thin out plants to 6 inches apart. In the fall transplant, setting plants 4 to 6 feet apart each way. When a blossom stalk appears it should be cut back well into the ground and the plant never allowed to exhaust itself by running to seed. Rhubarb seed like fruit trees seed cannot be relied upon to reproduce the same strains.

**Victoria Rhubarb.** Price, oz, 15c; pkt, 5c.

**Rhubarb Roots.** Price, each by mail, postpaid, 25c; \$1.50 per dozen by express at purchaser's expense.

## KEITH'S HOME GARDEN COLLECTION



A Complete Vegetable Garden for One Dollar, Postpaid

**WE** want you to know the value of **KEITH'S SEEDS**, therefore we offer you this splendid collection of vegetable and flower seeds at an exceptionally low price.

We honestly believe that this is a great opportunity and next summer thousands of gardeners, who buy this collection will be tremendously pleased with their gardens.

Keith's Seeds are tested for Germination and must show strong, vigorous growth before sending them out, so you are sure of good seeds.

**OUR BIG \$2.00 TRIAL ASSORTMENT FOR ONLY \$1.00**

This collection is made up all ready for mailing, therefore no change of varieties can be made. If purchased separately these seeds would cost \$2.00.

The leaflet "The Vegetable Garden" giving full cultural directions is also included. Send us \$1.00 and we will mail you the full list below.

1 1/2 pkt. Swiss Chard  
1/2 oz Beet  
1/2 oz Carrot  
1 pkt. Cabbage  
1 pkt. Cucumber  
1/2 oz Lettuce

*Lucullus*  
*Fireball*  
*Chantenay*  
*Copenhagen Market*  
*Keith's Perfection*  
*Big Boston*

1/2 oz Onion  
1 pkt. Onion  
1/2 oz Parsnip  
1/2 oz Radish  
1/2 oz Radish  
1 pkt. Parsley

*Yellow Globe Danvers*  
*Red Wethersfield*  
*Hollow Crown*  
*Scarlet White Tip*  
*White Icicle*  
*Curled*

1 pkt. Tomato  
2 oz pkt. Beans  
2 oz pkt. Peas  
2 oz pkt. Corn  
1/2 oz pkt. Sweet Peas  
1/2 oz pkt. Nasturtiums

*Earliana*  
*Improved Golden Wax*  
*American Wonder*  
*Golden Bantam*  
*Choice mixed Spencers*  
*Choice mixed Dwarf*

Geo. Keith & Sons  
Toronto Canada

Railway Freight prepaid on Maritime Province orders exceeding \$25.00,  
if purchaser remits 50c. extra for every hundred pounds ordered.

Page  
Twenty-Five



# KEITH'S QUALITY FLOWER SEEDS



Ostrich Feathered Aster

Most orders include Flower seeds. Our plan of listing the varieties that are most called for and the best strains of these varieties, has gained for us the confidence of our customers. Having gained your confidence, the result has been the development of a very important department of our business.

## ASTER Prices of all varieties: Oz, \$2.50; $\frac{1}{4}$ oz, 75c; Pkt, 10c.

Set of any five packets, your selection, 30c.

Leaflet "How to Grow Asters," mailed on request.

**Victoria.** Keith's Strain of Victoria Asters will give the best results in the home garden. Separate colors—white, pink, lavender, scarlet, blue, mixed colors.

**Comet.** Keith's Strain of Comet Aster is easy to raise, very double and a good bloomer. Separate colors—white, lavender, pink, crimson, blue, mixed colors.

**Ostrich Feathered.** Sturdy plants. Throws great show of beautiful flowers on long stems. Valuable for cutting. Separate colors—white, shell pink, mixed colors.

**Truffant's Pæony Perfection.** Grows stiffly erect and about 18 inches tall. Great brilliant incurved flowers. Separate colors—white, rose, crimson, light blue, mixed colors.

**Dwarf Chrysanthemum Flowered.** Grows ten to twelve inches high. Large Chrysanthemum-like flowers. White, mixed colors.

**Sample's Branching.** Large flowers. Very double, on long stems. A little later blooming than the Comet. Separate colors—white, rose, pink, crimson, lavender, mixed colors.

**AGERATUM.** Blue Perfection. Price, pkt, 10c. Height, one foot. Easy to raise. Splendid with Geraniums, Candytuft or Alyssum.

**ALYSSUM.** Easy to raise from Spring sown seeds.

**Carpet of Snow.** Very dwarf, pure white. Price, oz, 50c; pkt, 5c.

**Little Gem.** Price, oz, 50c; Pkt, 5c.

## ANTIRRHINUM or SNAPDRAGON

Prices of all varieties:  $\frac{1}{2}$  oz, \$1.00; Pkt, 10c.

Is grown in almost every garden. It rivals the Aster in popularity. They bloom profusely and continuously from July until frost.

**Keith's Tall Snapdragon.** Separate colors—white, purple, lemon, pink, crimson, purple, mixed.

**Keith's Dwarf Snapdragon.** Separate colors—white, crimson, yellow, mixed.

**BALSAM.** Camelia Flowered Double Mixed. Price, Pkt, 5c. Loves hot sun, rich soil and plenty of water. Plant in open ground in May.

**CALENDULA or SCOTCH MARIGOLD.** Price, pkt, 10c. Very easily grown. Fine for cut flowers all Summer long, and especially good late in the Fall. Orange, sulphur brown, mixed.

**CALLIOPSIS.** Choice Mixed. Price, pkt, 5c. Somewhat like a daisy in form. Plants one to two feet. Sow in open ground in Spring. Give the plants plenty of room.

**CANARY BIRD CREEPER.** Price, oz, 30c; pkt, 5c. A quick-growing annual climber.

**CANDYTUFT.** Price, oz, 50c; pkt, 5c. Empress white—Crimson—or Keith's mixed.

**CARNATION.** Marguerite. Price, pkt, 10c. If started indoors, will flower same season.

**CENTAUREA.** Blue Bottle, Ragged Sailor, Batchelor's Button, Corn Flower, Cyanus—Very hardy and simplest culture. Price, oz, 25c; pkt, 5c.

**Moschatta, Sweet Sultan.** Mixed colors. Oz, 25c; pkt, 5c.

**CLARKIA.** Mixed. Price, pkt, 10c; Carmine Rose, pkt, 10c. Sow out-of-doors in early Spring and grow in partial shade.

**COBAEA SCANDENS.** Price, pkt, 10c. A rapid climber, with large purple bell-shaped flowers.

**COCKSCOMB.** Dwarf Mixed. Pkt, 10c. Free blooming annuals, growing best in light soil, not too rich.

**CONVOLVULUS MAJOR (Morning Glory.)** Finest Mixed. Price, pkt, 5c; oz, 15c;  $\frac{1}{4}$  lb, 30c. One of the best free flowering and rapid growing climbers. Suitable for growing on arbors, fences, trellis, etc.

**COSMOS.** Extra Early Flowering. Price, pkt, 10c; oz, \$1.50. White, pink, crimson, mixed. Strong, tall-growing annual. Best to start seeds inside. If topped when half grown, they will bloom more quickly. Sandy or poor soil in sunny situation is best. Under good care will bloom in July and continue to late Autumn.

**CORN FLOWER.** (See Centaurea Cyanus.)

**CYPRESS VINE (Ipomoea Quamoclit.)** Mixed. Price, pkt, 10c. Of all climbers, this is the quickest and most luxuriant in growth. For early bloom start inside.

**DAHLIA.** Double Mixed, pkt, 10c; Cactus Mixed, pkt, 10c. Dahlias can be grown easily from seed so as to produce flowers the first year. For best results sow early in March in shallow pans.

**DIANTHUS or PINK.** New Hybrids. All shades mixed. Pkt, 10c.

**Chinensis.** Mixed. Pkt, 10c.

Blooms first year, and if covered during Winter will bloom next year also. Old plants flower earliest. New plants finest flowers. Plant early indoors, transplant twelve inches apart each way. Transplanting when sown in the open is not recommended.

**ESCHSCHOLTZIA (California Poppy.)** Mixed, Pkt, 5c; oz, 25c.

An annual, exceedingly easy to grow. We plant early in Spring, broadcast, in as large a bed as possible. The plants are about one foot high. Bloom comes in a great variety of shades. Starts to bloom early and continues all through the Summer. It is as charming an annual as one could wish for.



Marguerite Carnation



# MARIGOLDS

# MIGNONETTE

# FOUR O'CLOCK

(See Marvel of Peru)



Cosmos (See page 26)

**GYPSOPHILA** (Baby's Breath). White. Pkt, 10c. This pleasing flower should be in every garden. The flowers are small, star-like and borne in feathery sprays.

**GOURDS.** Mixed Varieties. Pkt, 10c. Of rapid growth, with curious fruits and ornamental foliage. Cultivate same as melons.

**HELIOTROPE.** Finest Mixed. Pkt, 10c. A universal favorite on account of its delightful fragrance.

**HOLLYHOCK** (Everblooming Annual). Choice Mixed. Pkt, 10c. The plants are vigorous in growth and naturally branching in habit, and if given good treatment will thrive luxuriantly. (See also page 30.)

**HUMULUS JAPONICUS.** Pkt, 10c. One of the most rapid Annual Climbers growing 15 to 20 feet.

**IPOMOEA.** Bona Nox. Large Blue. Pkt, 10c. Quick growing Climbers. Unsurpassed for covering trellises or fences.

**KOCHIA** (Summer Cypress). Pkt, 10c. A splendid ornamental annual, growing two to two and one-half feet high. The slender-leaved plants are of a cypress-like appearance during Summer. Forms decorative bushes on the lawn.

**LARKSPUR.** Mixed Colors. Pkt, 10c. Treat as a hardy annual. Rather cool soil is preferable. Plant early in the Spring. Height, three to four feet.

**LOBELIA.** Mixed. Pkt, 10c. Blooms very quickly from seed and continue gay with flowers all through the season. Sow early where the plants are to grow and thin moderately.

**LUPINUS.** Annual Varieties. Mixed. Pkt, 10c. Among our most useful ornamental flowering plants. Seed may be sown in the open border during April and May.



Nicotiana (See page 28)



Calliopsis or Coreopsis (See page 26)

**MORNING GLORY.** (See Convolvulus, also Ipomoea.)

**MARIGOLD.** Prince of Orange, African. Pkt, 10c.

Lemon Queen, African. Pkt, 10c.

Finest Mixed, French. Pkt, 10c.

Calendula or Scotch Marigold. Orange Sulphur Brown. Mixed. Pkt, 10c.

Average height, one to two feet. Hardy annuals. We have very fine strains.

**MARVEL OF PERU** (Four O'Clock). Mixed. Pkt, 10c; oz, 35c. Flowers August and September. Hardy Annual. Bloom variegated. Sweet scented. One to two feet.

**MIGNONETTE.** Bismark. An improved selection of Machet. Large golden yellow spikes. Pkt, 10c; oz, 50c.

Machet. Strong, bold flowers. Pkt, 10c; oz, 30c.

Giant Pyramidal. One to one and one-half feet. Large flowers. Pkt, 5c; oz, 30c. Successive sowings are recommended. Sow at any time, starting indoors.



# NASTURTITIUM - PETUNIAS - POPPY - PANSY



Keith's Choice Petunias

**MOON FLOWER.** (See Ipomoea).  
**MOURNING BRIDE.** (See Scabious).  
**MYOSOTIS.** See Forget-Me-Not).  
**NIGELLA** (Love-in-a-mist). Mixed Colors. Pkt, 10c. A compact, free flowering plant, with finely-cut foliage, 18 inches high.

## NASTURTITIUM.

Keith's Special Mixture Dwarf Nasturtiums. Oz pkt, 15c; lb, \$1.75.  
 Keith's Special Mixture Tall or Climbing Nasturtiums. Oz Pkt, 15c; lb, \$1.75.



Nasturtiums

No other flower will give you as much bloom for so long a time with the same small outlay of time and labor. The maximum of bloom is produced in the thin soils, and never flags through the hottest weather. In soils too rich, leaves predominate. If your ground is rich, give each plant plenty of room. We have the best stock that can be got, no matter what is said or what price is asked by others.

**NICOTIANA.** Affinis. Pure White. Pkt, 10c.  
 Sanderae Hybrids. Mixed Colors. Pkt, 10c.

Very fragrant. Half Hardy Annual. Large flowers. Plant grows to three feet

## POPPY. Annual Varieties.

**Pæony.** Flowered Double Mixed. Pkt, 5c; oz, 35c.

**Shirley.** Single, indescribably bright, dainty and gauzy. A favorite for cutting. Pkt, 5c; oz, 35c.

**Carnation.** Flowered Double Mixed. Very double fringed. Pkt, 5c; oz, 35c.  
 Single Flowered Mixed. Pkt, 5c; oz, 35c.

Sandy loam suits Poppies best, and as their strong tap roots are difficult to transplant, it is well to sow seed where the plants are to bloom. The best plants are those grown from early sowings, while the earth is cool and moist. Start early in the Spring and plant at intervals. All are easily cultivated and greatly admired. Average height, one foot.

**PORTULACA.** Improved Single Mixed. Pkt, 10c; oz, 50c.  
 Improved Double Mixed, Pkt, 20c.

**PINKS.** (See Dianthus.)

## PANSY.

**Trimardeau Giant Lord Beaconsfield.** Lavender and purple. Pkt, 10c;  $\frac{1}{4}$  oz, \$1.00.

**Peacock.** Large peacock blue, edged with white. Pkt, 10c;  $\frac{1}{4}$  oz, \$1.00.

**Dr. Faust.** Black. Pkt, 10c;  $\frac{1}{4}$  oz, \$1.00.

**Keith's Best Mixture.** All Colors. Pkt, 10c;  $\frac{1}{4}$  oz, 75c.

**Good Mixture.** Pkt, 10c;  $\frac{1}{4}$  oz, 50c.

Seed, if sown in February in a gentle heat, will produce plants ready to prick off in a cold frame in April, and to plant out in May. These will bloom well in August and September of the same year.

**PETUNIAS.** Keith's Choice Single Striped and Blotched. Very fine. Pkt, 25c.

Keith's Large Flowering Single Mixed. Pkt, 15c.

Keith's Fine Mixed. Pkt, 10c;  $\frac{1}{4}$  oz, 50c.

Sow indoors or in the open very early in the Spring. Be careful to cover seeds lightly, for if sown too deep they will not grow. Once fairly started, Petunias grow almost as easily as weeds, and furnish wonderful bloom from early Summer until frost.

**PHLOX DRUMMONDI** (Flame Flower.) Grandiflora Choice Mixed. Pkt, 10c.

Average height, one foot. Hardy annual. Few flowers are so easy to grow from seed. First sowings should be made as soon as frost is out of the ground in the Spring. Later sowings in May. Transplants readily.



Hollyhock  
 See pages 27 and 30



# SWEET PEAS - ZINNIAS - SUNFLOWERS - VERBENA



Keith's Best Mixture Pansie

## SWEET PEAS

Select a sunny open place several feet from any building or close fence, and as far as possible from large trees. Sow as early in the Spring as possible.

### SPENCER VARIETIES (Sweet Peas)

Price, lb, \$2.50;  $\frac{1}{4}$  lb, \$1.00; oz, 25c; pkt, 10c.

Separate Colors—Crimson, Primrose, Rich Maroon, Lavender, Rose Pink, White, or the above colors mixed.

### GRANDIFLORA VARIETIES (Sweet Peas)

Price, lb, \$1.25;  $\frac{1}{4}$  lb, 50c; oz, 20c; pkt, 5c.

Separate Colors—Carmine, Lavender, Maroon, White, Mauve, Rose, or the above colors mixed.

**RICINUS.** (Castor Oil Plant). Mixed. Pkt, 10c; oz, 30c. A tall growing, branching plant. Foliage glistening green and bronze. Eight to ten feet high.

**SALPIGLOSSIS—Emperor.** Mixed. Pkt, 10c; oz, \$1.00. Hardy annual. They are easily grown, require a light, rich, sandy loam, and will respond to liberal treatment. Bloom August to frost.

**SALVIA—(Scarlet Sage)**

**Splendens.** Brilliant Scarlet. Good bedding plants. Earliest to bloom. Pkt, 10c.

**Fireball.** Very dwarf. Two feet. Pkt, 10c. Sow seed indoors in March or April and set plants out of doors latter part of May. The plants grow and bloom profusely in any light, rich soil from August to frost.

**SCABIOSA—(Mourning Bride)** Dwarf Mixed. Pkt, 10c. Two feet high. Commence to flower early in July. Splendid for cutting. Sow seed outdoors when frost is past.

**SCARLET RUNNER BEAN.** Pkt, 10c;  $\frac{1}{2}$  lb, 45c.

**SNAPDRAGON** (See Antirrhinum).

**SUMMER CYPRESS** (See Kochia).

**SUNFLOWER—Stella** (Cucumerifolius). Handsome, single, large flowers. Primrose Yellow. Four feet. Pkt, 10c; oz, 50c.

**Orion** (Cucumerifolius). A very handsome variety with petals twisted like those of the best Cactus Dahlia. Pkt, 10c; oz, 50c.

**Henry Wilde.** Tall, small-flowered, graceful, single. Pkt, 10c; oz, 50c.

**Double, Dark Yellow.** Two to five feet. Pkt, 5c; oz, 35c.

**SWEET SULTAN—(See Centaurea Moschata).**



Keith's  
Choice  
Sweet  
Peas



Verbena Hybrids

**VERBENA HYBRIDS.** Keith's Selected. Separate Colors—Scarlet, Blue, pure White, or Choice Mixed. Pkt, 10c; oz, \$1.00.

**ZINNIA ELEGANS.** Double White, Double Crimson, Double Purple. Separate colors. Pkt, 10c.

**Double Mixed.** Pkt, 10c; oz, 50c.



Shirley Poppy



# KEITH'S HARDY PERENNIAL FLOWER SEEDS



Aquilegia (Columbine)

**AQUILEGIA** (Columbine). Long Spurred Choice Mixed. Pkt, 10c. No hardy perennial grown from seed is more easily handled than the Columbine.

**ARABIS** (Rock Cress). Alpina. Pure White. Pkt, 10c. One of the earliest and prettiest of Spring flowers. Unequalled for rockeries or edging. Height 6 inches.

**CARNATION**. Border Varieties. Choice Double Mixed. Pkt, 10c. General favorites on account of the rich colors and profusion of bloom.

**COREOPSIS**. Lanceolata Grandiflora. Pkt, 10c. A hardy perennial growing about two feet, producing bright yellow flowers in great profusion. Valuable as a cut flower.

**DIGITALIS** (Foxglove). Choice Mixed. Pkt, 10c. Well-known biennial growing three to four feet high, with long spikes of tube-like flowers.

**CANTERBURY BELLS**. Biennial. Single Mixed, Pkt, 10c; Double Mixed, Pkt, 10c. They are as easily raised as Pansies. Will Bloom first year from seed if sown early.

**DELPHINUM**. Formosum. Dark Blue. Pkt, 10c. Mixed Hybrids, pkt, 10c. These graceful, easily grown perennials are worthy of a prominent place in every hardy plant border. The colors include all shades of blue from azure to deep indigo.

**FORGET-ME-NOT** (Myosotis). Blue. Pkt, 10c. Half hardy perennial. Will flower the first year if sown early. Does best in a moist, shady spot.



Foxglove

**GALLARDIA**. Choice Exhibition Strain. Pkt, 25c; Hybrida Grandiflora, pkt, 10c. Remarkable for the profusion, size and brilliancy of their flowers. Excellent for cutting.

**GEUM**. Coccineum Atrosanguineum. Pkt, 10c. A beautiful hardy perennial, bearing showy, double dark crimson flowers. An elegant flower for bouquets.

**GYPSOPHILA**. Paniculata. Baby's Breath. Pkt, 10c. White and feathery, good for cutting.

**HOLLYHOCKS**. Chater's Prize Mixed. Pkt, 10c. Hollyhocks are among the best of the old garden favorites. For forming a background for other plants, it has no equal.

**LYCHNIS** (Rose Campion). Chalcedonica Scarlet. Pkt, 10c. Handsome, hardy perennials of easy culture. Will bloom the first year if sown early.

**ICELAND POPPIES** (Papaver Nudicaule). Extra Fine Mixed. Pkt, 10c. These are somewhat like the annual "Shirley", but have a larger range of colors.

**PYRETHRUM**. Hybridum. Mixed. Pkt, 10c. Hardy perennial, bearing large daisy like flowers, ranging in color from white to deep red. One of the most graceful and long lasting cut flowers.

**PERENNIAL PHLOX** (Phlox Decussata). Choice Mixed. Pkt, 10c. The variety of colors and the long continuance of its flowers make this a universal favorite. The seed is very slow and erratic in germinating.

**SWEET WILLIAM**. Pink Beauty. Pkt, 10c.  
Single Mixed. Pkt, 10c.  
Double Mixed. Pkt, 10c.

Hardy, old-fashioned flowers of easy culture. Will succeed in any good garden soil.



Pyrethrum





Canterbury Bell (See page 30)

## KEITH'S SUMMER FLOWERING BULBS

Orders will be sent  
out about April 1st



Keith's Extra Choice Mixed Gladioli

### CHOICE NAMED GLADIOLI

	Postpaid each	Prices per doz.
America. Flesh Pink.....	\$0 15	\$1 50
Augusta. Lovely pure white.....	10	1 00
Glory of Holland. White tinted Rose.....	15	1 50
Kunderdi Glory. Creamy Pink with bright Red marking. Flowers ruffled.....	15	1 25
Empress of India. Dark Maroon.....	10	1 00
Mrs. Francis King. Light Scarlet.....	10	1 00
Niagara. Creamy White.....	15	1 50
Panama. Extra Fine Pink.....	15	1 25
Peace. A lovely White.....	15	1 25
Pendleton Junr. Salmon Pink.....	20	2 00
Schwaben. Pale Yellow, dark blotch in throat.....	15	1 50
Keith's Extra Choice Mixture. 75c. per doz; \$4.00 per 100.		
Good Mixture. 50c. per doz; \$2.50 per 100.		

### DAHLIAS

#### PÆONY FLOWER VARIETIES

Hampton Court. Clear Pink.  
John Green. Red and Yellow, free blooming.  
Leo XIII. Pure Yellow. A Beauty.

#### CACTUS VARIETIES

Countess of Lonsdale. Amber.  
Reine Cayeux. Brilliant Geranium Red.  
Kalif. Enormous Flower. Light Scarlet.

#### DECORATIVE VARIETIES

Delice. Pure Pink. One of the best.  
Princess Juliana. Pure White. Extra good.  
Ansonia. Purplish Maroon.  
Saur de Gustave. Between Orange and Red.

#### DECORATIVE VARIETIES, DAHLIAS—Continued

Conquest. Clearest Red.  
La Grand Manitou. Purple and White.  
Mrs. Cassell. Pink.  
Mina Burgle. Red.  
Manzanola. Best Red. One of the best.  
Yellow Colosse. Yellow.  
F. R. Baldwin. Silvery Buff.

#### SINGLE VARIETIES

Firefly. Red.  
Jack. Red.  
Crawley Star. Pink and White.  
Giganta Alba. White.  
Merry Widow. Red and Yellow.

PRICES OF DAHLIAS.—Any of the above varieties 30c. each, postpaid, or 20c. each, buyer paying express.

### BEGONIAS (Tuberous Rooted)

For bedding plant out in May, 1 inch deep. Keep well watered always. A shady spot is best suited. For pots start anytime.

#### GIANT SINGLE VARIETIES. Separate Colors

Crimson, Rose, White, Salmon, Yellow. Price, 10c. each; \$9.00 per 100.

#### GIANT DOUBLE VARIETIES. Separate Colors

Crimson, Rose, White, Salmon, Yellow. Price, 15c. each; \$11.00 per 100.

#### FRILLED VARIETIES. Mixed Colors

Price, 15c. each; \$11.00 per 100.

### LILIUMS

Speciosum Rubrum. 25c. each.  
Speciosum Album. 25c. each.  
Tigrinum. 15c. each; \$1.25 per doz.

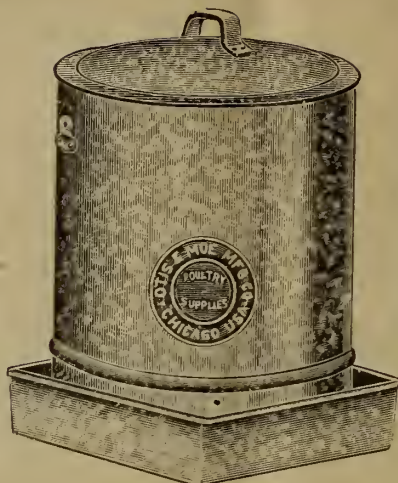


# POULTRY SUPPLIES—WATER FOUNTS

Healthy Poultry Require Fresh Clean Water



No. 1



No. 2



No. 3



No. 4

No. 1A.—KEITH'S DRINK FOUNT FOR POULTRY. This fount meets the wants of the most particular poultryman. It is so designed that you will see by the cut that the water is kept clean. It can be hung off the ground. The birds can drink without knocking their combs, it can be cleaned out easily, holds one gallon of water. Price, each, \$1.00.

No. 1B.—THE KEITH CHICK FOUNT. Exactly the same as the "Keith" Fount, only made small in order to be used in brooders. Holds a little more than a pint. Price, each, 60c.

No. 2.—MOE'S TOP-FILL FOUNTAINS. Fill in the morning and your chickens have an all day's supply of pure water at just the right temperature.

The double wall keeps water cool in summer and retards freezing in winter. No valves to get out of order. Thoroughly sanitary and as easily cleaned as an ordinary pail. Does away with slopping over when being filled. Can be hung up out of the litter and the square pan prevents spilling at that time. The square pan also affords drinking facilities for two pens at the same time. One gallon size, \$2.25; two gallon size, \$3.00.

No. 3.—PAGEL'S SANITARY NON-FREEZING FOUNTAIN. This is the best constructed fount we have ever seen. The simplest, handiest and most practical fountain made. Has no lamps to trim and no valves to get out of order. Saves time, labor and worry, and costs nothing to run. It is made of heavy galvanized iron, and is similar in construction to the fireless cooker, being packed with a non-conducting material to retain the temperature of the water. The drinking cup, which contains the only water exposed, forms a connection between the outer and the inner can, and as it does not project beyond the outer can, there is no possible chance for droppings, the cause of so much disease, to get into the water. During extremely cold weather it is best to fill the fountain in the evening with hot water. This will gradually cool in the night and heat the packing, which in turn will keep the water

warm when but a little is left in the fountain. In summer fill with cold water and it will stay cool all day. One filling a day is all that is necessary. Price, 2 gallon, \$5.25; 3 gallon size, \$5.75.

No. 4.—THE NORWICH AUTOMATIC AIR-LOCK FOUNTAIN. Is in a class by itself. It is easy to clean, and suitable for all seasons of the year. It is a watering machine, and its action is a simple example in physics, of atmospheric pressure against water weight. There is nothing about it to get out of order. There are no working parts, and the drinking cup is always filled with fresh water as long as there is a supply in the reservoir.

Fitted with a base heater which holds three pints of kerosene sufficient to operate the heater a week burning constantly day and night makes this machine frost proof. This machine is passed by the National Board of Fire Underwriters.

In Summer its construction is such that it keeps the water cool and always fresh. Size, 5 gallon. Price, \$8.75. Shipping weight, 17 lbs.

No. 5.—KEITH'S DRY FEED BOX. Two compartments, holds about a peck. Price, each, \$1.25.

No. 6.—KEITH'S GRIT AND SHELL BOX. It is made of galvanized iron and divided into three compartments. This box soon pays for itself in the saving of grit and shell. Every pen should have one of these hanging on the wall. Each division holds over one pint or a gallon in all. Price, each, \$1.00.

No. 7.—THE NORWICH AUTOMATIC DRY MASH HOPPER. Holds 20 quarts. No clogging. Operated with automatic vibration rods. No waste. Price, each, \$6.50.

No. 8.—THE APACO POULTRY GRAIN FEEDER. A hanging machine, adjustable regulating valve. The feeder is operated by the birds rotating the bait bar, and the grain rattles down the deflector, is scattered on the floor or in the litter in a wide even circle, and the birds kept constantly at work and in motion while feeding. Capacity 9 quarts. Shipping weight, 5 lbs. Price, ea, \$3.25.

## FEED HOPPERS



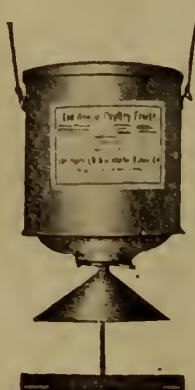
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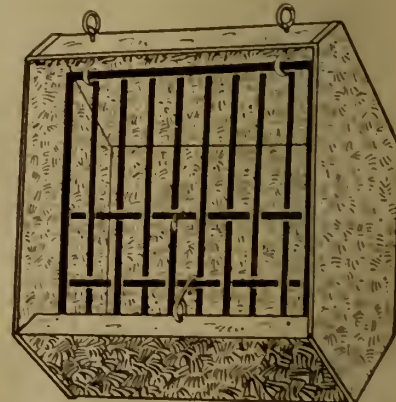
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No. 7



No. 8



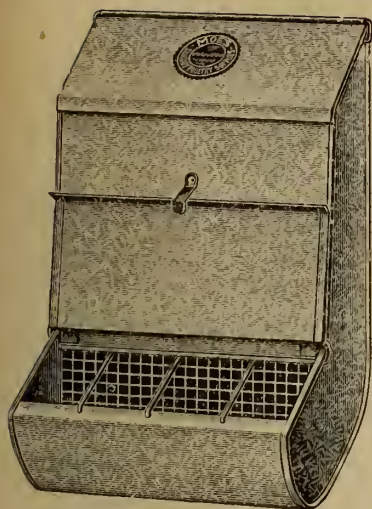
No. 9

No. 9.—BOSTON FEED HOPPERS. Made of galvanized iron with swinging grid which follows grain automatically preventing fowls from wasting the mash. Large size, \$1.50 ea. Small size, \$1.25 ea.

No. 10.—MOE'S WASTE PROOF HOPPER. Does away with feed clogging. 12 quart capacity. Rat proof. Waste proof. No. 10, price, 12 quart size, \$2.75.



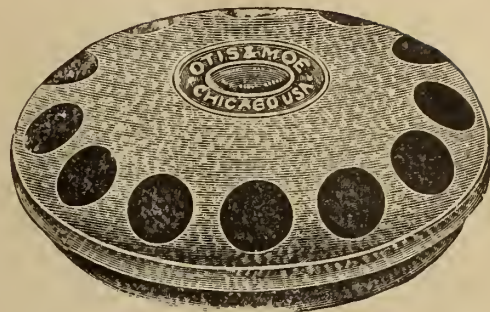
# POULTRY SUPPLIES—FEED DEVICES



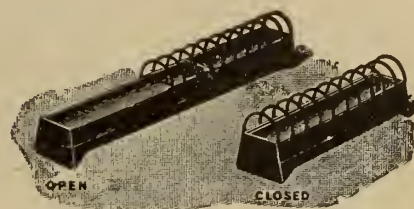
No. 10



No. 11



No. 12



No. 13



No. 14



No. 15



No. 16

**No. 13.—KEITH'S CHICK FEED TROUGH.** This trough is so constructed that the chicks cannot turn it over and they cannot get on the feed with their feet to scratch it or get it dirty. It is constructed throughout of zinc, very neatly made, will never rust. We carry two sizes: No. 1, 9 inches long, 2½ inches wide, price, each, 60c; No. 2, 12 inches long, 4 inches wide, price, each, 85c. If ordered by mail, add 20c for postage.

**No. 14.—KEITH'S HOPPER FOR MASH.** Made of heavy galvanized iron, 27 inches long by 7 inches wide. Top slides off making it easily cleaned. Price, each, \$1.25.

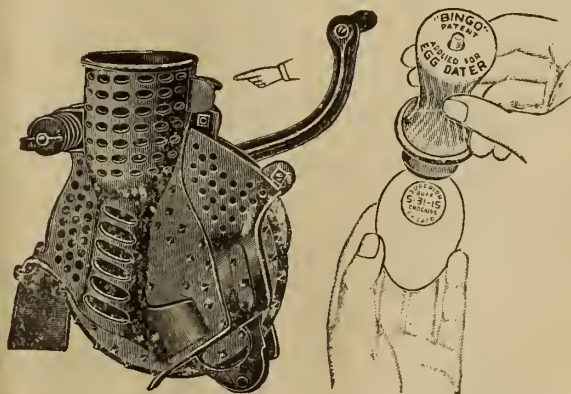
**No. 15.—RABBIT FEEDER.** Made of heavy crockery, not easily broken. Price, each, 35c.

**No. 16.—CARTER'S GREEN FOOD FEEDER.** The old way of throwing vegetables, etc., on the floor or in pans, is very unsanitary, as the hens soon foul it, and it then becomes unfit for food. Made of strong, clean twine. Lasts years. There is no waste. Always clean, can't get dirty. Good the year round. Price postpaid, 75c.

**No. 17.—BINGO EGG DATER.** Poultry fanciers will find this article very useful for dating setting eggs. They can also create a demand for first-class table eggs that will net them a greater profit by the use of this stamp. Price, complete, \$3.00.

**No. 11.—BAR-NUN DRY MASH HOPPER.** Just the hopper you have been looking for. It is inaccessible to rats or mice, yet easily accessible to poultry at all times. By its use, a constant supply of fresh, clean feed is always kept before them. Used suspended by a spiral spring (furnished with hopper), clogging or packing of feed is prevented. The mash feeds down automatically as the poultry pick it away from the trough. Poultry cannot perch on it or scratch mash out of it. Simply hang the hopper so that the birds have to reach up to pick out of the trough; this gives a clear floor-space and prevents them from picking over the mash. Holds 16 quarts of dry mash. Price, \$2.50 each.

**No. 12.—MOE'S ROUND BABY CHICK FEEDER.** The most convenient little feeder imaginable. Can also be used for water. 6½ inches diameter, price, 35c; 9 inches diameter, price, 50c.



No. 18

No. 17

**No. 18.—IMPROVED CORN SHELLER.** We think there is no better small machine made. Regulating thumb screw enables machine to be set for large or small cobs. Guarded wheel prevents scattering. Weight, 20 lbs. Price, \$2.50.





# QAT SPROUTERS - HOVERS AND INCUBATORS - ROOST SUPPORTS



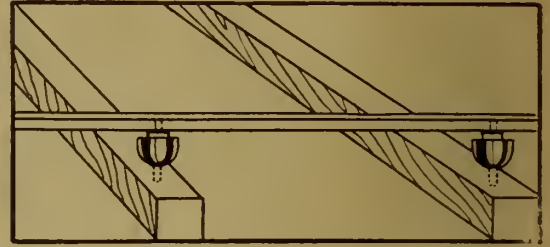
No. 19



No. 20



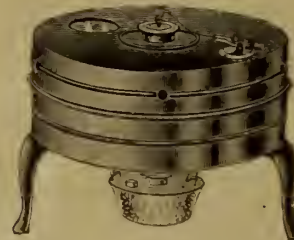
No. 21



No. 22B



No. 23



No. 24



No. 22A

**No. 19.—DOUBLE QUICK GRAIN SPROUTER.** The high prices of feed have compelled poultrymen to secure from their flocks the very highest results, not only in egg production, but in quick chick growth. The Grain Sprouter comes in and not only aids in getting results not heretofore obtainable, but in also providing a feed whose cheapness greatly reduces the total cost, some estimating the reduction one-half or more. Burns coal oil.

## Prices

No. 2, for 50 to 75 hens, 1-3 bush. or more dry grain, 12 to 14 qts. \$12.00.

No. 3, for 100 to 150 hens, ¾ bus. or more dry grain, 24 to 28 qts. \$17.00

No. 4, for 200 to 300 hens, 1½ bush. or more dry grain, 48 to 56 qts \$20.00.

**No. 20.—CYCLE HATCHER.** A Twentieth Century Wonder. Holds 50 eggs. Constructed entirely of metal, except insulation. Is self-regulating, requires no supplied moisture and will last a lifetime. Shipping weight, well boxed, 20 lbs. Price, of 50-Egg Incubator, complete ready for operation, f.o.b., Toronto, \$8.75.

**No. 23.—THE "WRICO" CHICK COOP (Open).** This coop is made of heavy galvanized iron throughout. The top and sides being all in one piece, it is absolutely water-tight. The wire covered run is made to slide back into the coop at night so nothing can harm the chicks. By opening the small round door in front you can give the chicks practically free range while still keeping the hen confined. The front and bottom are easily removed for cleaning. Price, each \$6.50.

**No. 21.—THE RELIABLE BABY GRAND BLUE FLAME, WICK-LESS, OIL HEATED COLONY HOVER.** This hover has an 18 inch canopy and burns the gas generated from common coal oil. The oil reservoir is made of galvanized steel and the drops of oil are regulated by a valve, so you can give as many or as few drops as are necessary to obtain the desired amount of heat. When the valve is once set properly it needs no further attention, only to fill the oil reservoir when needed. One gallon of oil will run this hover for 8 or 9 days. It will care for 25 to 100 chicks. A few of the special points on this hover are as follows:—

Burns coal oil	No wick to trim
Steady blue flame	Abundance of heat
Economy of operation	No oil fumes
Comfortable and easy to operate	Visible oil feed
Convenient and safe	No coal smoke or gas

Price, \$12.00

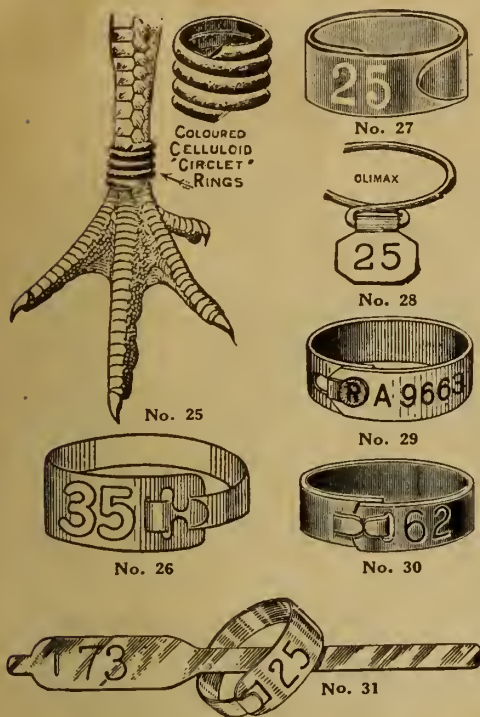
**No. 24.—BABY GRAND INCUBATOR.** Just the thing for the small fancier. It is simple in construction, easy to operate and is self regulating. Has double top well insulated and packed double side walls with a free circulation of hot air between the walls all the time, making an equal distribution of heat through the machine at all times. The ventilation is perfect, supplying warm fresh air to all parts of egg chamber. Holds 50 eggs. Price, \$11.00.

**No. 22A.—VERMIN PROOF PERCH OR ROOST SUPPORT.** This is a heavy iron bracket cast in one piece and when screwed to the wall will support a heavy roost filled with fowls. This support is made with a cup to hold a supply of disinfectant, and as the pin holding the roost prevents it from touching the cup, all vermin is prevented from getting upon the roost. Price, per pair, 50c.

**No. 22B.—VERMIN PROOF PERCH OR ROOST SUPPORT.** An iron cup to hold disinfectant, with centre pin to support roost. Price, per pair, 50c.



# POULTRY SUPPLIES—LEG BANDS AND MARKERS, NESTS



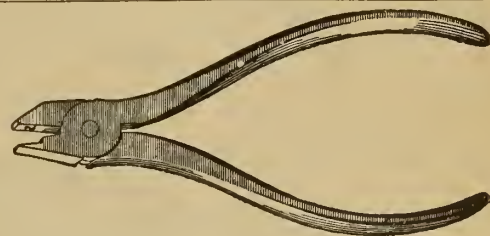
- No. 25.—THREE SPIRAL CELLULOID POULTRY RINGS. Put up in 5 colors: Rose, Light Blue, Light Green, Red, Yellow. When ordering, state breed you require them for. Prices, 12 for 25c; 25 for 40c; 50 for 75c; 100 for \$1.25; postpaid.
- No. 26.—CHALLENGE LEG BANDS. Similar to "Leader Adjustable" only fastens in a little different manner—see illustration. Same sizes and prices as Leader Adjustable.
- No. 27.—NUMBERED CELLULOID BANDS. This band is made in a permanently circular form by a special process and when attached to the bird's leg becomes practically a seamless band with numbers that are visible and can be easily read at a distance from 10 to 15 feet. These bands are made in the following colors: Red, Yellow, White, Cerise, Green and Blue. Prices, Postpaid—\$3.00 for 100; \$1.50 for 50c; 80c. for 25; 45c. for 12.
- No. 28.—CLIMAX LEG BANDS. If you are one of the many who have had their valuable birds injured by feathers on their legs being broken by a flat band, these wire rings will prove just the thing for you. They are numbered from 1 to 12, 1 to 25, 1 to 50, and 1 to 100. Always give size wanted or breed of fowl. Prices, 12 for 15c; 25 for 35c; 50 for 40c; 100 for 75c.
- No. 29.—SMITH SEALED LEG BANDS. With these Smith Sealed Leg Bands a careful register is kept of each one sold, and under no circumstances will bands be furnished which are numbered and lettered exactly alike, nor can we furnish the bands plain and allow customers to number the bands themselves. Prices, \$1.75 for 100; \$1.00 for 50; 75c. for 25; 40c. for 12; postpaid. Smith Sealed Leg Bands are made of aluminum in ten sizes, so when ordering state the breed of birds you require them for.
- No. 30.—DOUBLE CLINCH LEG BAND. Made in exactly same sizes as the Smith Sealed Band. Designed and manufactured to fill the demands for a strictly reliable open or removable band. Fastens with two clinches passing through the band and turning towards each other. Put up in 10 sizes, made of aluminum. When ordering state breed of birds you require them for. Prices, 12 for 15c; 25 for 25c; 50 for 40c.
- No. 31.—LEADER ADJUSTABLE LEG BANDS. Latest and best adjustable leg band out. We believe it is the neatest, most compact and smoothest fastening of any adjustable band. It is readily attached, too, absolutely secure, and it has no catching points. Made of heavy aluminum, strong, substantial, and will hold the shape much better than ordinary bands. Prices, postpaid, 85c. for 100; 50c. for 50; 30c. for 25; 15c. for 12. Bands are numbered 1 to 12, 1 to 25, 1 to 50, and 1 to 100. Size No. 1, circumference 2½ inches, size No. 2, circumference, 3¼ inches.



No. 32

- No. 32.—PETTEY'S POULTRY PUNCH. The best and least expensive punch on the market with which to mark your little chicks. Simple in construction and very effective. 25c. each.

- No. 33.—SEALER. For Smith's Sealed Leg Bands. 50c. each.



No. 33

## TRAP NESTS



No. 34

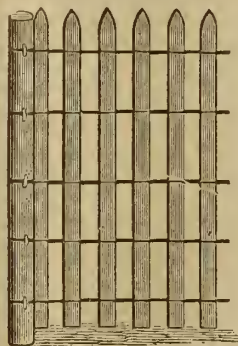


No. 35

- No. 34.—ECONOMY TRAP NESTS. By far the most practical Trap Nests on the market. When the trap is set (see cut, simply a folding of the two pieces of galvanized iron together) and hen enters nest, she brushes her back under it, draws it inward and upward and as soon as the bottom piece passes the horizontal position it drops, pulling the upper one with it. The hen thus trapped cannot get out. When the trap is not in use it can be folded under roof of nest and held in place by a button. Size of nest box is 14 inches high, 14 inches deep and 13 inches long. Material used in Economy Trap Nest is all galvanized iron in the metal nest, and clear wood, dressed both sides, with galvanized iron for traps, for the wooden nests, nothing to get out of order. Price, metal, single, \$3.00 each; wood, single, \$2.00 each; in sets of 3, \$5.50 per set.

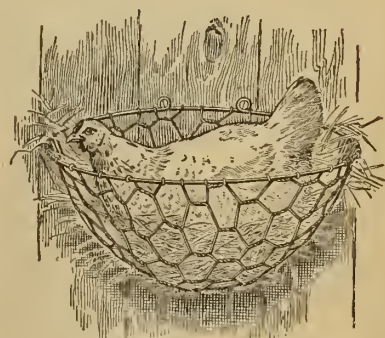
- No. 35.—TRAP NEST FRONTS. Strongly made of galvanized iron, suitable for fixing on any nest box. Price, 85c. each.

## POULTRY FENCE



No. 36

## WIRE HEN NEST



No. 37

- No. 36.—POULTRY FENCE. In rolls of 100 feet, 4 feet high. Manufactured in any length required. A good general purpose fence made of Bessemer steel wire and red pine pickets, painted and pointed, combining cheapness, durability, strength and neatness. Easily put up or taken down by removing staples and rolling up fence without injury. Price, 15c. per foot ex warehouse.

- No. 37.—WIRE HEN NEST. Galvanized after weaving and then japanned to make them rust and vermin proof. Occasionally take nest outside, set fire to the straw. These nests are clean, can readily be fastened up or taken down, as only two screws are required to hold them securely. Size 15 inches in diameter, 8 inches deep, 1½ inch mesh, 19 wire. Price, each 20c; dozen, \$1.75.



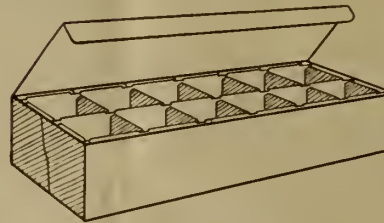
# POULTRY SUPPLIES—EGG CARRIERS, FOWL COOPS AND THERMOMETERS



No. 38



No. 39



No. 41



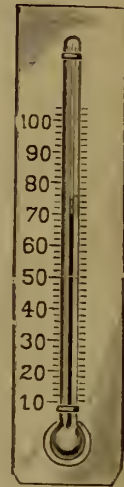
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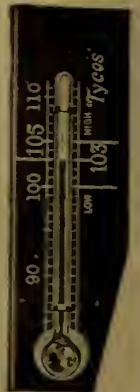
No. 40, Folded

**No. 38.—KEITH'S FOWL SHIPPING COOP.** This is by far the strongest, best and most economical shipping coop on the market. It is made from kiln dried staves of hardwood, cut and dressed smooth. Each stave is interwoven with annealed-galvanized wire, insuring against breakage and rusting. Just the thing for shipping valuable birds to shows. Size 14" x 18" x 21" (weight 12 lbs.). Price, \$1.75 each.

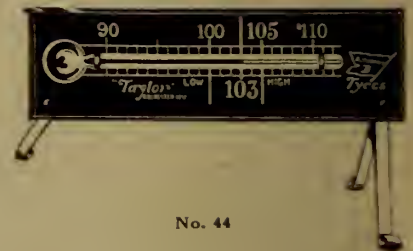
**No. 39.—KEITH'S 12 DOZEN EGG CRATE.** Construction similar to above. Strongest crate made. Will last a lifetime. Price, complete with fillers, \$1.00 each.



No. 42



No. 43



No. 44

**No. 40.—THE KEITH EGG BOX.** For shipment this egg box is folded flat, put up in bundles of 12 and 25. As a carrier it gives absolute security to the contents. Constructed of corrugated paper, has double walls throughout. To protect the eggs from pilfering, you will notice there is a seal. This is made by the wire handle, and a strong printed address tape. Also to insure safety by express, the wire handle is made so that no parcel can be set on top of the box. We have made a test of all egg shipping boxes and we feel confident that there is nothing better made. Box holds 15 eggs. Price, including seals and handles, 25c. each; \$2.75 per doz; \$22.00 per 100. Price with seals and without handles, 25c. each; \$2.50 per doz; \$20.00 per 100.

**No. 41.—CARTON—to hold one dozen eggs.** These cartons will fit into an ordinary egg crate, thus making a very convenient and attractive package. Price, 100 to 400 lots, \$2.75 per 100; 500 to 1000 lots, \$2.50 per 100. Smaller lots at 50c. per doz.

**THERMOMETERS.** All Thermometers we offer bear the sterling mark of "Tycos" made by the Taylor Instrument Co. We know that they are thoroughly reliable; we test each one before sending it out.

**No. 42.—A Brooder Thermometer,** with 5 inch silvered brass scale, black filled figures and graduations. Price, 65c. each.

**No. 43.—INCUBATOR STYLE.** Has flange on upper edge, turned over so as to hook on wire or metal strip. You can rely on this; nothing better made. Price, \$1.00, postpaid.

**No. 44.—Same as above,** but has brass adjustable legs. Price, \$1.10, postpaid.

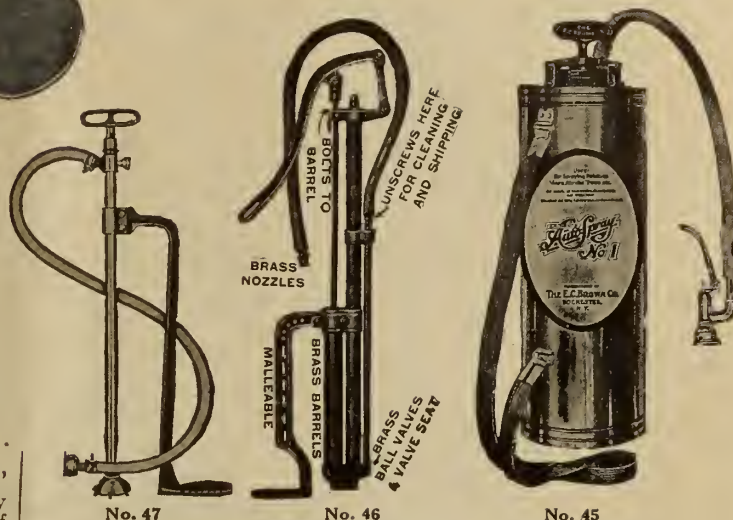
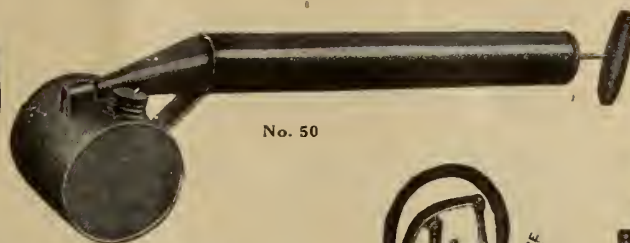
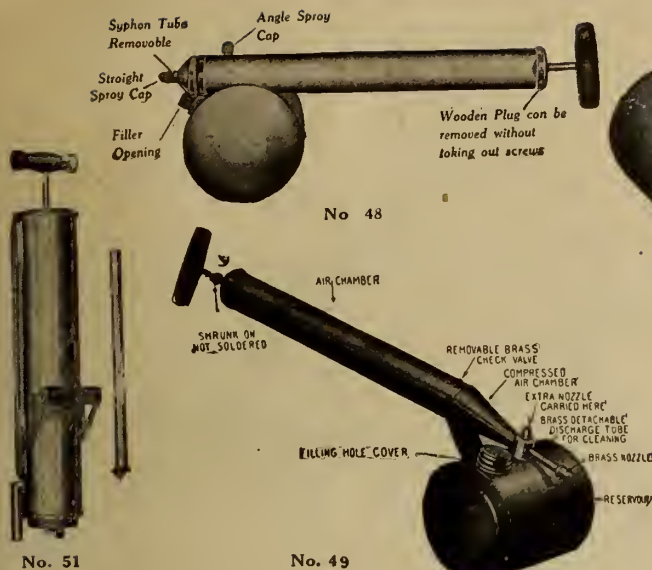
**No. 45.—BROODER THERMOMETER.** Round wood frame. white figures. 10 inches long. Price, 85c.



No. 45



# SPRAYERS



No. 45.—BROWN'S AUTO SPRAY No. 1, WITH STOPCOCK "A" AS IN CUT. This is the most satisfactory compressed air spray pump on the market. It consists of a 4-gallon reservoir made of material either brass or galvanized steel as ordered. In this tank is inserted and locked a brass air pump which may be attached or detached very easily. The patented stop cock is one of the best features—it is the only self-cleaning attachment made. Operating the lever opens or closes the valve, and at the same time works a degorger or cleaning stem through the nozzle aperture. This device saves time, solution and labor of refilling the tank. One of these should be on every farm. Very handy for spraying potatoes, berry bushes, vegetables, hen houses, stables and animals. Price, galvanized steel tank, \$9.00; brass, \$12.00.

No. 46.—ALL BRASS BUCKET SPRAY PUMP. Fits any pail or bucket and may be attached to barrel. Works on compressed air system; produces continuous spray. Stirrup may be detached and pump bolted in a barrel, which makes it an exceptionally good barrel pump outfit. 3 feet heavy hose, 3 interchangeable nozzles. Throws stream of 50 feet. Splendid for whitewashing and orchard work. Price, \$8.00.

No. 47.—AUTO SPRAY BUCKET PUMP. Pump is made of heavy brass with malleable iron castings. Has 3 feet of  $\frac{1}{2}$  inch discharge hose with Auto Spray Nozzle attached. Can be used with whitewash or any other kind of spray material. Price, \$6.00.

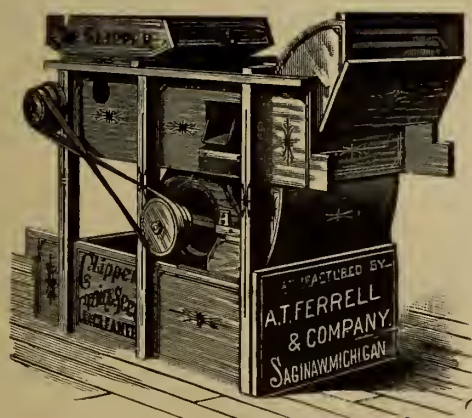
No. 48.—BROWN'S CONTINUOUS SPRAYER. This sprayer operates continually on both the up and down stroke and throws a fine misty spray. Has tin pump and brass tank. Price, \$1.25.

No. 49.—SMITH'S CONTINUOUS SPRAYER. One quart size; diameter of pump barrel  $1\frac{1}{2}$  inches, length 18 inches. All parts are easily removed for cleaning. Price, \$1.35.

No. 50.—DELUGE SPRAYER. A cheap sprayer very convenient for spraying small poultry houses, etc. Price, 50c.

No. 51.—POWDER GUN. For dusting plants with powdered Arsenate of Lead, Bordeaux Mixture, Paris Green, etc. The tube, which is made of tin, painted red, is 3 inches in diameter and 18 inches long and has a 12-inch extension so that the operator does not require to stop when using the "Gun." Price, \$2.25.

## FANNING MILL—"THE CLIPPER"



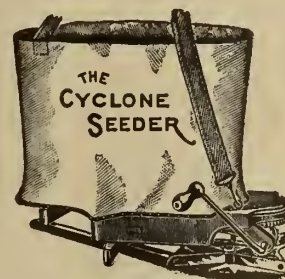
Hand Power Grain and Seed Cleaner

No. 1 Clipper. We recommend this mill for cleaning Clover, Timothy Seed and Seed Grain.

Capacity—Market Wheat, 40 bushels per hour; Clover Seed, 12 bushels per hour.

Size of screens, 19x29 inches. One wire and nine perforated zinc screens equipped with spreading boards furnished with each cleaner. Shipping weight, 150 pounds. Price, \$55.00, Freight extra.

The No. 2 Clipper is used almost altogether for cleaning clover and grass seeds. Its capacity is 20 bushels per hour. Price, Toronto, \$65.00, Freight extra. Can be driven by power. A power pulley supplied free.



No. 53.—SEEDER BROADCAST. Cyclone. This seeder has been on the market for many years. We think it the most satisfactory. It is thoroughly reliable. It has a pressed tin, four flanged distributing wheel and lathe centered gearings, making it a very easy running seeder. Accurate gauge for all seeds and grain. Force feed, steel frame, hand hole shield. Price, each, \$2.00. The cheapest carriage generally is by express. This would be 40c. to most places in Ontario, but out of the way places, add 60c. extra for postage.



# CULTIVATORS, SEEDERS, PRUNING KNIVES, LAWN ROLLERS



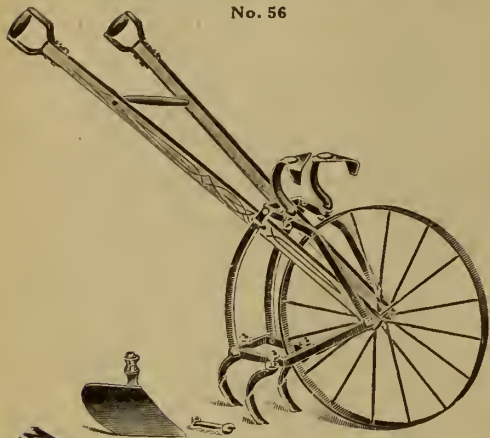
No. 56



No. 57



No. 63



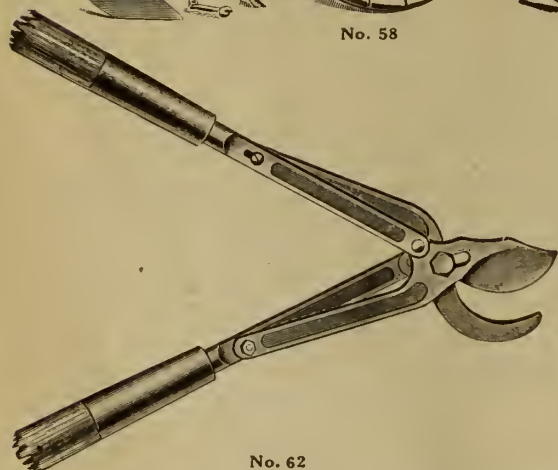
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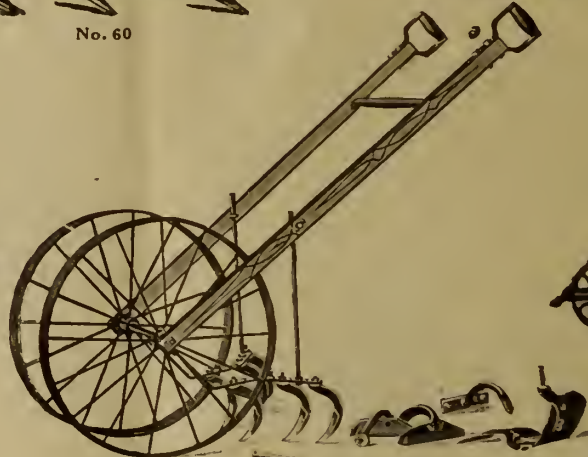
No. 60



No. 61



No. 62



No. 59



No. 55

No. 55.—EUREKA No. 1 SEED DRILL. Will sow all kinds of Garden seed in rows or hills far more rapidly, evenly, and economically than is possible by hand or other means. Weight packed, 50 lbs. Price, \$13.00.

No. 56.—EUREKA No. 2 COMBINATION SEED DRILL AND CULTIVATOR. The addition of another light steel frame and our adjustable plows, hoes and cultivator teeth to the above drill makes a most complete equipment.

This outfit gives the Gardener: A Complete Seed Drill; a Complete Hill Dropping Seeder; a Two Wheel Plow; a Two Wheel Hoe; a Two Wheel Five Tooth Cultivator.

The change from Seed Drill to Cultivator or vice versa can be easily and quickly made. Weight packed, 65 lbs. Price, \$15.00

No. 57.—EUREKA TWO WHEEL CULTIVATOR. This is the same cultivator as is made from the No. 2 Combination, and is a complete two wheel cultivator. Price, each, \$6.00.

No. 58.—EUREKA No. 8 SINGLE WHEEL GARDEN CULTIVATOR. Large iron wheel 24 inches diameter, 1½ inch tire, three cultivator teeth, two hoes, a right hand land slide plow and wrench. The tool is shown ready to cultivate. Turn it over and it is ready as a hoe, or remove the hoes and attach the plow and you have a plow, which will turn and cover a deep furrow. Price, \$8.50.

No. 59.—EUREKA No. 10 CULTIVATOR. Similar to No. 8, only there are two large wheels, with an arch so that one can cultivate

over the row or between the rows; with No. 8 you can only cultivate between the rows. Price, complete, \$9.00.

No. 60.—THE "BUCCO" GARDEN CULTIVATOR. Long handle. For preparing soil, cultivating, weeding and cleaning there is no hand tool equal to it. A great labor-saver. Price, each, \$1.50.

No. 61.—NORCROSS CULTIVATOR. Similar to above, only 3 prongs. Price, \$1.00.

No. 62.—ORCHARD KING PRUNING KNIFE. This two-hand pruning shear easily cuts a live tree branch 2 inches thick. A roller bearing makes it work easily and prevents wear. Notice the compound leverage, and notice, too, the slot in the blade at the pivot bolt. These exclusive features cause a powerful extra long drawing cut, so that the limbs are not bruised nor crushed, but sheared off clean, hence the wound heals quickly and without delay. This knife is made of the very best material and will last for years. Price, each, \$6.00.

No. 63.—LAWN ROLLER. One Section Water-Weight Roller. Made of steel, cannot possibly leak. They are made with roller bearing axles.

No.	Diameter Inches	Length Inches	Weight empty	Weight filled with water	Weight filled with sand	Price
1	18	24	75	300	500	\$17.00
2	24	24	125	500	800	22.00



# DISINFECTANTS FOR SPRAYING POULTRY HOUSES AND STABLES

Zenoleum Liquid Disinfectant. Price, small size, 40c; quart, \$1.00; ½ gallon, \$2.00; gallon, \$2.75.  
 Pratt's Liquid Disinfectant. Quart, 70c.; ½ gallon, \$1.40; gallon, \$2.00.  
 McCrimmon's Liquid Disinfectant. (Odorless). Price, quart, 75c.  
 Royal Purple Liquid Disinfectant. Price, 35c and 65c.  
 Lice Killer Powders.  
 Zenoleum. Price, 30c; Postpaid, 50c.  
 Dr. Hess. Price, 35c; Postpaid, 50c.  
 Royal Purple. Price, 30c. and 60c; Postpaid, 50c. and 90c.

## LICE KILLER POWDERS—Continued

Pratt's. Price, 35c; Postpaid, 50c.  
 Carbola. The Disinfecting Paint that Dries White. Carbola is two things in one—a paint and a disinfectant. It is a finely powdered mineral pigment, combined with a germicide many times stronger than pure carbolic acid—but neither poisonous nor caustic. It dries out a clear snow white and stays white. 10 lbs. (makes 10 gallons), \$1.50 by express. 50 lb. bag, \$5.50 by express. Trial package (enough for 200 square feet), 50c. postpaid.  
 Nest Eggs (Lime). 30c. doz.; Postpaid, 50c. doz.

## FEEDS

Present prices. (No freight allowed on this list).

Oyster Shell. Price, 100 lbs., \$2.00; ¼ ton or more at \$1.95 per 100 lbs.  
 Oyster Shell, Chick size. Price, \$2.00 per 100 lbs.  
 Crystal Grit. Price, 100 lbs., \$1.00; ¼ ton or more at 90c. per 100 lbs.  
 Crystal Grit, Chick size. Price, \$1.00 per 100 lbs.  
 Chick Feed Royal Purple. Price, 25 lbs. for \$1.50; \$5.30 per 100 lbs.  
 H-O Steam-Cooked Chick Food. Price, 10 lbs., 60c; 25 lbs., \$1.40; 50 lbs., \$2.75.  
 Purina Chowder, Sample bag. 8½ lbs., 45c; 50 lbs. for \$2.50; 100 lbs. for \$4.50.  
 Royal Purple Laying Meal. Price, 25 lbs. \$1.25; 100 lbs., \$4.80.  
 Blatchford's Fill-the-Basket Egg Mash. Price, 25 lb. bag, \$1.25.  
 Feather Brand Chicken Feed. Price, \$3.50 per 100 lbs.  
 Beef Scrap. Price, 10c. per lb; \$8.00 per 100 lbs.  
 Beef Meal. Price, 10c. per lb; \$7.00 per 100 lbs.  
 Alfalfa Meal. Price, 5c. per lb; \$4.00 per 100 lbs.  
 Blatchford's Rabbit Meal. Price, 5 lbs., 50c; 25 lb. bag, \$1.50.  
 Sunflower. Price, 15c. per lb; \$10.00 per 100 lbs.  
 Flax. Price, 10c. per lb; \$6.00 per 100 lbs.  
 Flax Meal. Price, 10c. per lb; \$7.00 per 100 lbs.  
 Bone Meal. Price, 5c. per lb; \$4.50 per 100 lbs.  
 Granulated Bone. Price, 5c. per lb; \$4.50 per 100 lbs.  
 Poultry Mustard. Price, 6 lb. carton, 50c.  
 Royal Purple Calf Meal. See Page 10.

## REMEDIES

Roup Cure, Royal Purple. Price, 30c. postpaid.  
 Roup Cure, Pratt's. Price, 35c. and 70c. postpaid.  
 Roup Cure, Pratt's Roup Pills. Price, 35c. and 70c. postpaid.  
 Pratt's Diarrhoea Cure. Price, 30c. postpaid.  
 Pratt's Condition Tablets. Price, 35c. and 70c. per box, postpaid.  
 Scaly Leg Ointment. Price, 3 oz. tin, 35c. postpaid.

### POULTRY REGULATORS

Pratt's. Price, 1½ lbs, 35c; 4 lbs, 70c.  
 Dr. Hess Panacea. Price, 1½ lbs, 35c; 5 lbs, 85c.  
 Royal Purple. Price, 30c, 60c, and \$1.75 per packet.

### STOCK SPECIFIC

Royal Purple. Price, 60c. and \$1.75.  
 Dr. Hess. Price, 4½ lbs, 65c; 10 lbs, \$1.35.

## FERTILIZERS

Present Prices. (No freight allowed on this list).

### COMPLETE FERTILIZERS

	Per 5 lbs.	Per 100 lbs.	Per Ton
Lawn Enricher. 6 am, 10 phos. acid.	30c.	\$5.00	\$92.00
General Garden Manure. 3 am, 12 phos. acid.	30c.	4.00	72.00
Sure Growth. 3 am, 8 phos. acid, 3 potash.	30c.	4.50	77.00
Potato Special. 4 am, 8 phos. acid, 4 potash.	30c.	5.00	90.00

### FERTILIZER MATERIAL

	Per 5 lbs.	Per 100 lbs.	Per Ton
Steamed Bone Meal.	30c.	\$5.00	\$85.00
Steamed Bone Flour.	35c.	5.50	86.00
16% Acid Phosphate.	20c.	3.00	50.00
Pure Ground Blood.	35c.	6.00	
Nitrate of Soda.	50c.	6.50	

Apply at the rate of 750 lbs. to 2000 lbs. per acre. (1 acre, about 200 feet x 200 feet) according to crop and condition of the soil. Scatter broadcast, when the soil is freshly cultivated, just before planting, and rake or harrow the fertilizer in to depth of about 1 inch.

For Lawns. Sprinkle at rate of 1 lb. to each three or four square yards, early in the spring and just before the hot weather commences.

Geo. Keith & Sons  
 Toronto Canada

Railway Freight prepaid on Maritime Province orders exceeding \$25.00, if purchaser remits 50c. extra for every hundred pounds ordered.

Page  
 Thirty-Nine

## A FRIEND of the SMALL GARDENER

# STIM-O-PLANT

### PLANT STIMULANT TABLET

Trade Mark Registered U. S. Patent Office.

Stim-U-Plant Tablets have a guaranteed analysis of 11 per cent. nitrogen; 12 per cent. phosphoric acid; and 15 per cent. potash, all water soluble and immediately available for plant food.

Add To The Soil As Needed

Price, trial size, 10 tablets, 15c; small size, 30 tablets, 25c; medium size, 100 tablets, 75c.

PLANT FOOD IN TABLET FORM

## SPRAY MATERIAL

Present Prices. No Freight Allowed

Paris Green, (Insecticide). Price, ½ lb. tin, 40c; 1 lb. tin, 75c.  
 Arsenate of Lead Paste, (Insecticide). 2 to 3 lbs. to 50 gallons of water. Price, 1 lb, 40c; 5 lbs, \$1.80; 25 lbs, \$7.50.  
 Arsenate of Lead Powder, (Insecticide). 1 lb. to 50 gallons of water. Price, 1 lb, 65c; 5 lbs, \$3.00; 10 lbs, \$5.50.  
 Lime Sulphur Powder, (Fungicide). Summer Spray, 3 lbs. to 50 gallons of water. Dormant Spray, 10 lbs. to 50 gallons of water. Price, 1 lb, 45c; 5 lbs, \$1.70; 10 lbs, \$2.75.  
 Bordeaux Mixture, (Fungicide). 1 lb. to 4 gallons of water. Price, 1 lb, 35c; 5 lbs, \$1.60; 10 lbs, \$3.00.  
 Smith's Hexpo, (dry powdered). An efficient combined insecticide and fungicide. Has the insect destroying properties of Arsenate of Lead, and the fungus preventative qualities of Boreau mixture. Price, ½ lb, 40c; 1 lb, 75c.  
 Blighty Burgundy Mixture for potato blight. Price, 35c. per lb.; \$30.00 per 100 lbs. 1 acre, 20 lbs Blighty, 120 gallons water.



## MAG-O-TITE

A real root remedy. Insures Radishes, Cabbage, Onions, Cauliflower, Turnips from Root maggot, Earthworms and other pests. Eradicates Earth worms from lawns and putting greens. 2 lb. package will cover 300 feet of drill. Field culture 300 to 500 lbs. per acre. Directions with each shipment. Price, 2 lb. packet, 50c; 4 lb. packet, 90c; 8 lb. packet, \$1.50; 25 lb packet, \$3.75.



# TAKE ADVANTAGE of the HIGH PRICES which PLANTS and VEGETABLES bring when brought to the EARLY MARKET

By means of

## THE HARRIS READY-TO-USE 2" x 2" x 2½" LOCKED PLANT BAND

Price per 100, \$1.00  
Made of strong paper, price per 1,000, \$7.00

PLANT BOXES, similar to quart berry boxes, only larger, \$3.00 per 100



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BAGS (Cotton) "Empire B" or "X" Brand, \$6.00 per dozen, \$40.00 per 100



# LAWN GRASS SEED

## for All Purposes from the Back Lot to the "Fine-as-Silk" Putting Green

HOW can I make a Lawn? or How can I remake a Lawn? and afterwards keep it in good condition.

**GOOD SOIL.**—You cannot get loam that is too good. A Lawn is a permanent affair, and the soil is supposed to furnish nourishment to the Grass roots for a long period. Prepare the soil as carefully as you would for a garden. Many wrongly think seed is the only requisite, but seed sadly fails without good soil and soil preparation.

**GOOD SEED.**—Sow at least 100 lbs. to the acre. (1 acre about equals 200 ft. x 200 ft.). Each kind of Grass has just as much individuality as any plant in a greenhouse, and requires certain conditions under which it will thrive best. One Grass grows well in a sandy soil, another in the shade, another wants a deep soil. The following are the names of some of the Grasses most used, and that are commercially procurable

It is a question with many, as to which is preferable, sowing a single kind of Grass seed, or combining a number. While there is no doubt that the best Lawn is made with a single kind of grass, yet under most conditions combining a number of varieties is to be recommended.

While a great many people like to see White Clover in their Lawns we think you get a better sod without it. However, we recommend it for terraces and shady places.

**KENTUCKY BLUE GRASS.**—One of the best grasses for lawns and Golf Fair Green. Will grow in a variety of soils. It forms a close compact turf which enables it to stand a large amount of tramping and close cutting without injury. It is rather slow at the start and to offset this we would recommend that Red Top and Perennial Rye, on account of quickness of growth, be mixed with Kentucky Blue, which produces an early and satisfactory growth of sod, and will be later almost entirely of Blue Grass, a condition much desired for this grass makes an ideal lawn.

**CANADIAN BLUE GRASS.**—Very much like Kentucky Blue Grass with a decided advantage that it does well on gravelly and stiff clay loams, and stands both extremes of weather, cold and hot.

**RED TOP.**—A creeping bent grass, is splendid for lawns. One of the few Grasses commercially procurable that is suitable for good Putting Greens. Its success seems to depend more on the moisture content in the soil than on the quality of the soil.

**CHEWING FESCUE.**—A low growing selection of Red Fescue. It makes excellent turf of fine texture, pleasing color and unusual durability. This grass and Red Top are the only grasses on the market that are suitable for Putting Greens and Bowling Greens.

**ENGLISH RYE GRASS.**—Temporary grass. Grows quickly, used in combination with other grasses to get immediate effect.

**GOOD GARDEN HOSE.**—When your Grass needs water, water it well. This means that water should be administered in such a way that it will sink into the ground, to serve as a reservoir for the use of the grass roots during the day. Light sprinkling is in most cases fatal, as it is apt to cause a crust to form.

**A GOOD ROLLER.**—Is particularly necessary in the Spring, and then after each rain through the entire season. This insures an even surface, and makes it possible for the Grass roots to utilize the water deep down. A Roller makes the ground hold the moisture better. It helps to discourage weeds and pests.

**A GOOD LAWN MOWER.**—Cut the Grass as often as is necessary. Frequent cutting thickens the sod and grass.

### PRICES—KEITH'S CHOICE SELECTED HIGH GRADE GRASS SEED

	Per lb.	Per 100 lbs.		per lb.	per 100 lbs.
Kentucky Blue Grass.....	35	30 00	Lawn Grass Mixture... (5 lb. at 30c. lb.)	35	25 00
Canadian Blue Grass.....	25	20 00	Shady Nook Grass.... (5 lb. at 35c. lb.)	40	30 00
Red Top.....	25	20 00	Putting Green Mixture. (5 lb. at 45c. lb.)	50	40 00
Chewing Fescue.....	60	55 00	Fair Green Mixture... (5 lb. at 30c. lb.)	35	25 00
English Rye Grass.....	25	18 00	Bowling Green Mixture (5 lb. at 45c. lb.)	50	40 00
White Clover Seed.....	80	75 00			

**LAWN GRASS SEED REQUIRED**—1 lb. for 225 square feet; 5 lbs. for 1100 square feet; 100 lbs. for one acre. If intended for renovating an old lawn, about half the above quantities are sufficient for the given spaces.

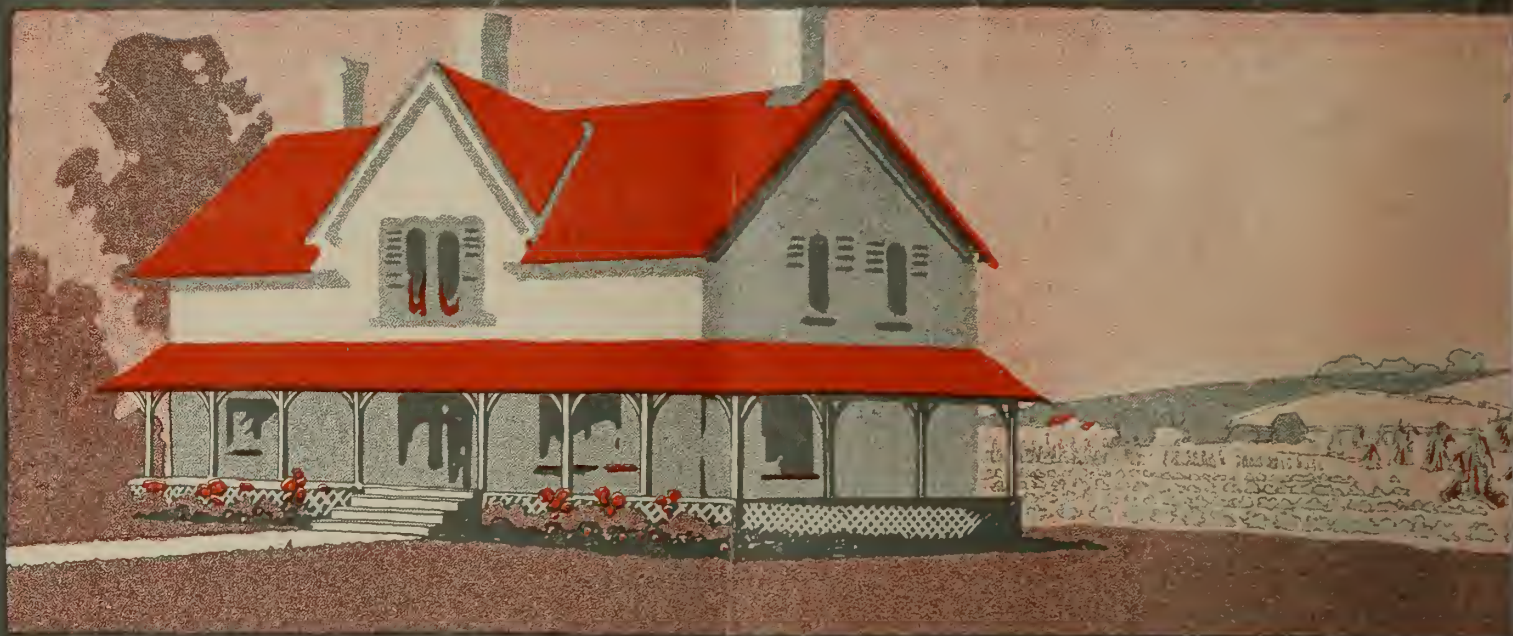
**QUALITY OF KEITH'S GRASS SEEDS.**—We will supply you with seed that is carefully selected for its purity, cleanliness and high percentage of germination.

## GEORGE KEITH & SONS

124 KING STREET EAST, TORONTO

Established 1866





# Seeds for the Garden

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SEEDS**

Satisfactory Since 1866

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